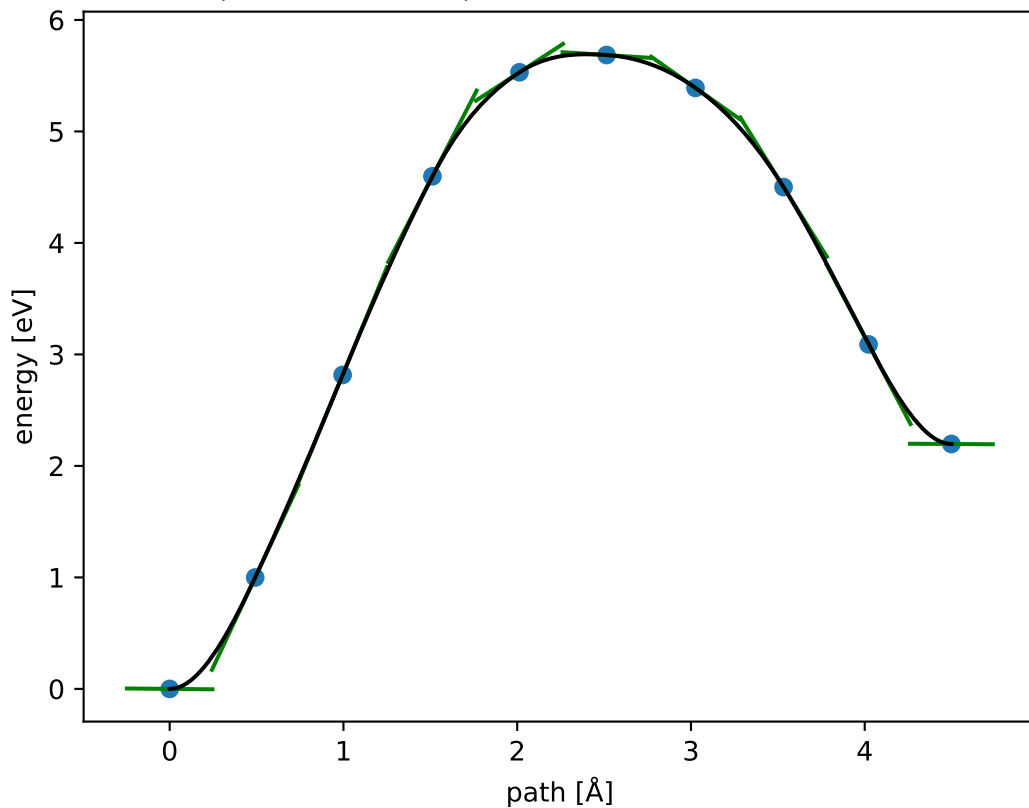
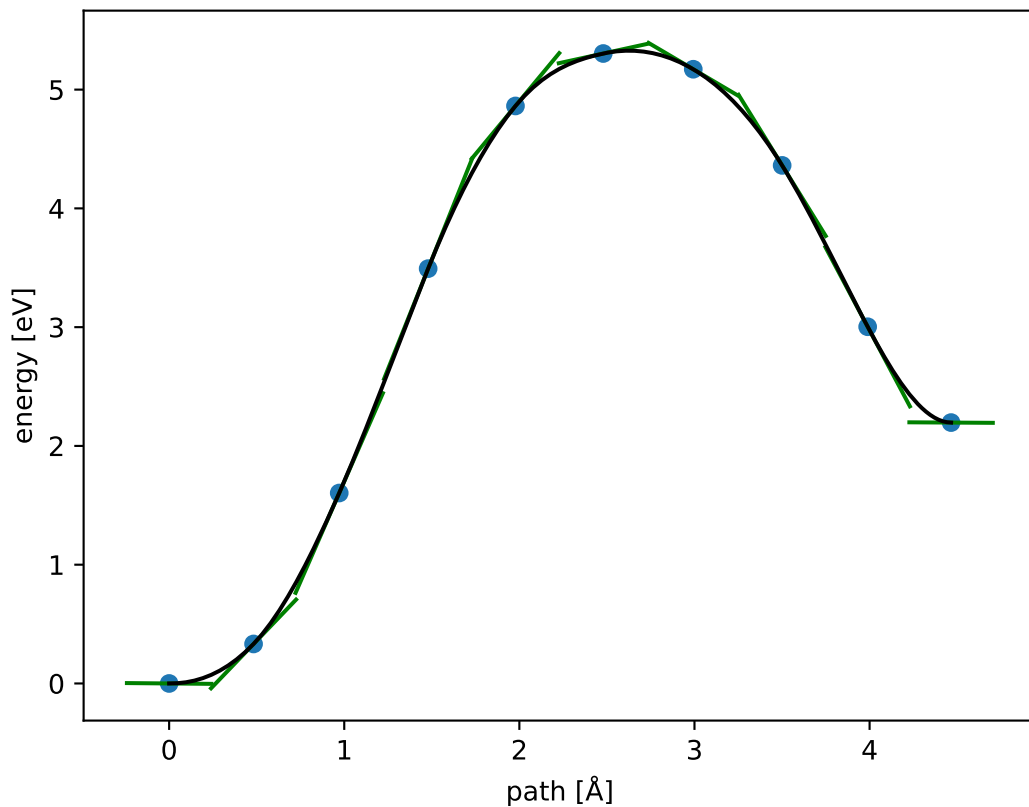


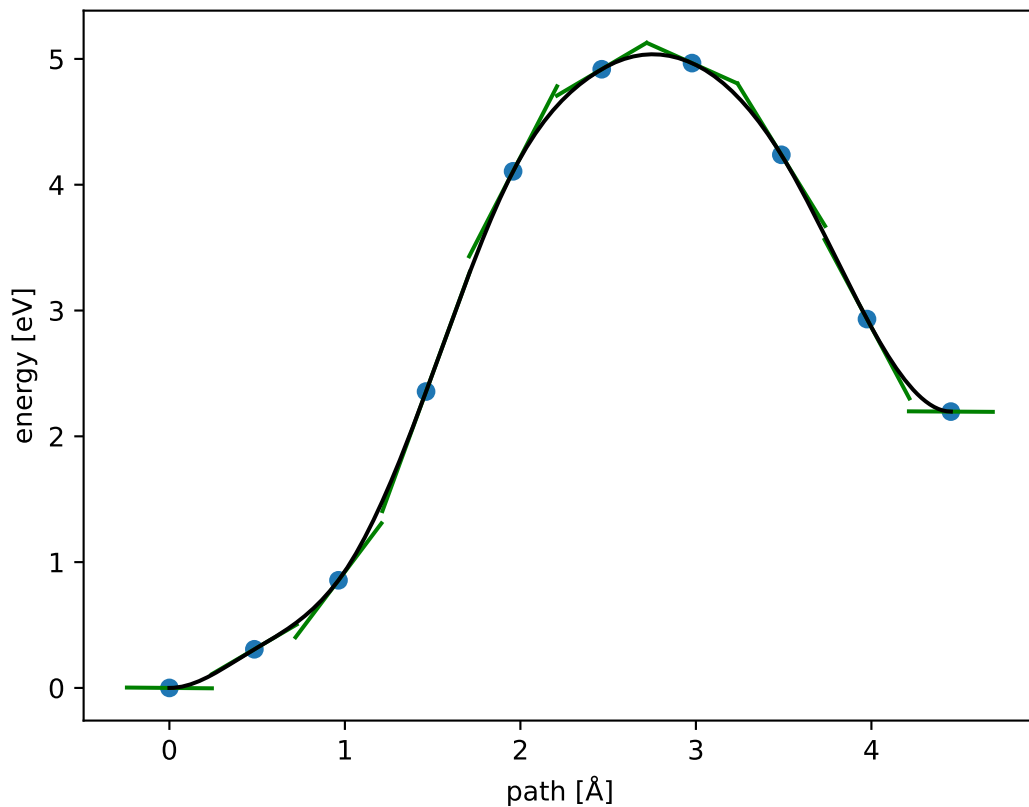
$$E_f \approx 5.685 \text{ eV}; E_r \approx 3.489 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



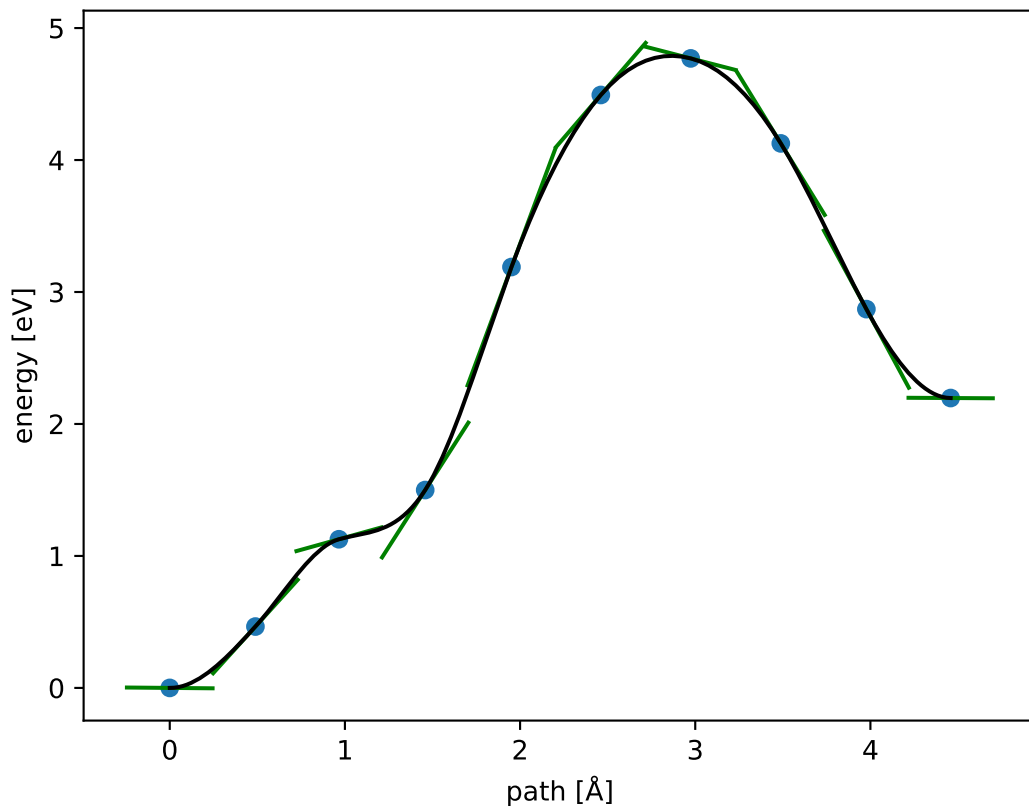
$$E_f \approx 5.304 \text{ eV}; E_r \approx 3.107 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



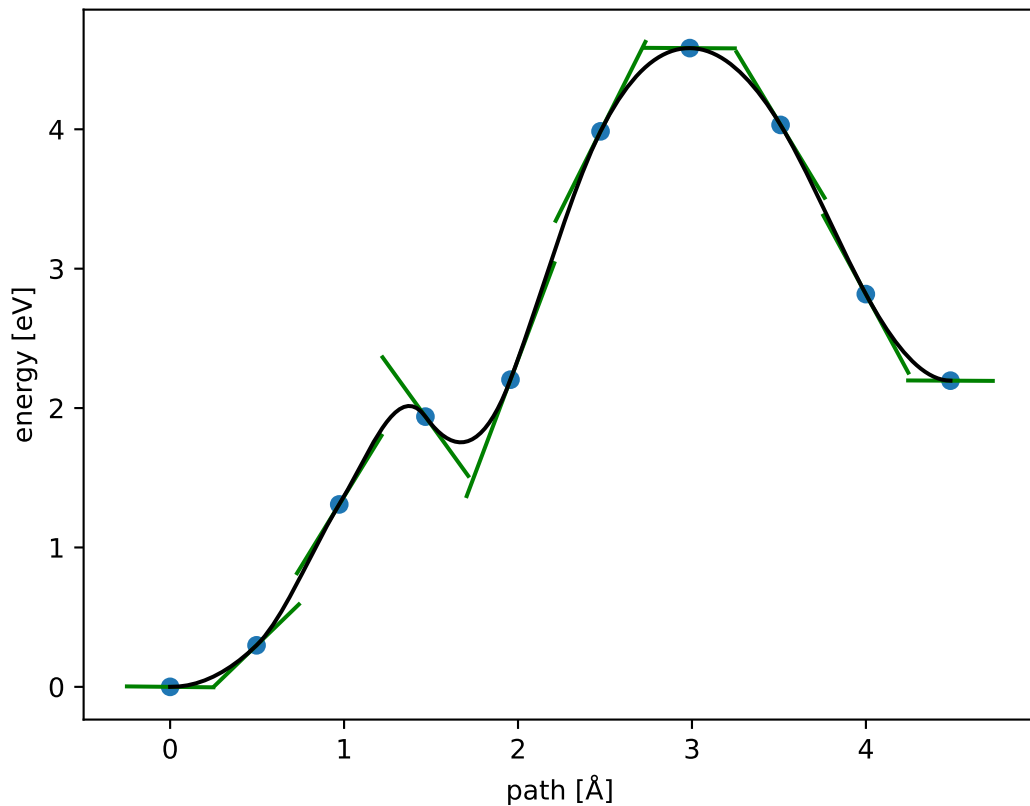
$$E_f \approx 4.967 \text{ eV}; E_r \approx 2.770 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



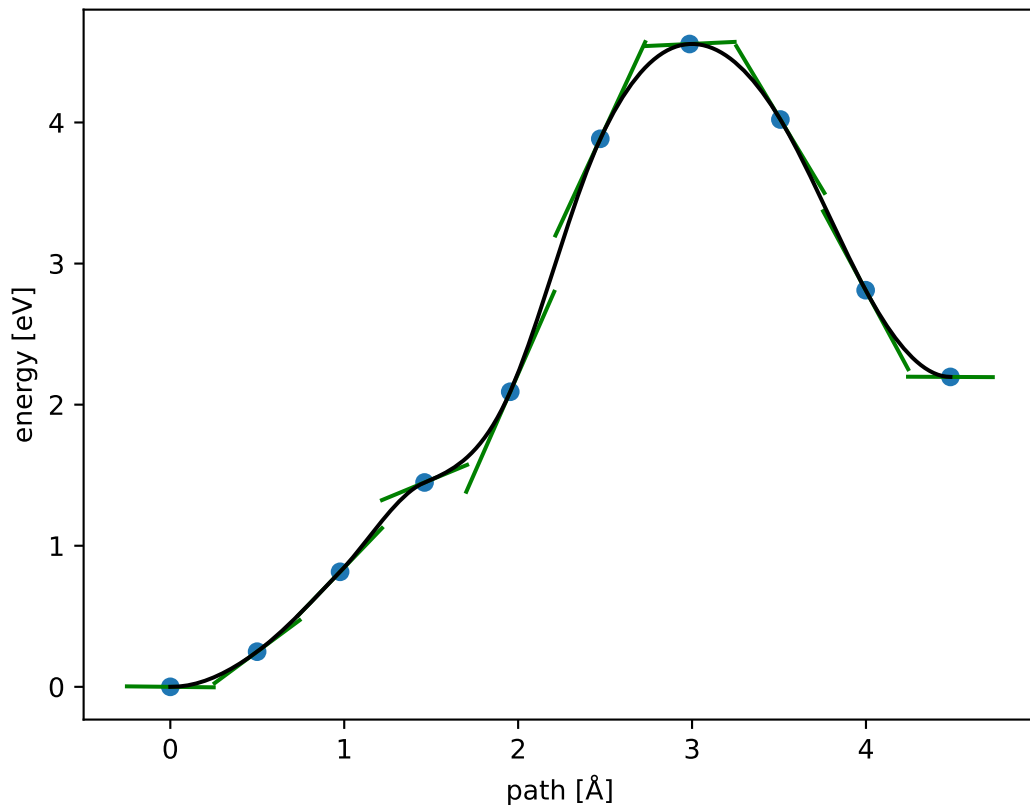
$$E_f \approx 4.770 \text{ eV}; E_r \approx 2.574 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



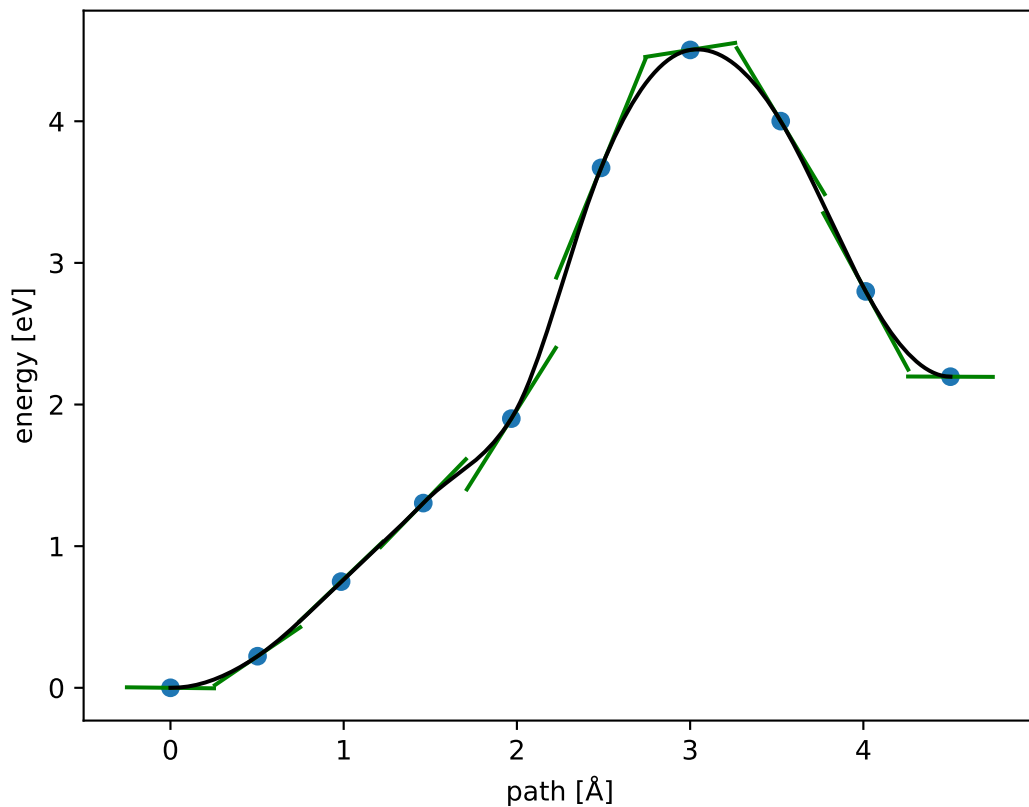
$$E_f \approx 4.582 \text{ eV}; E_r \approx 2.386 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



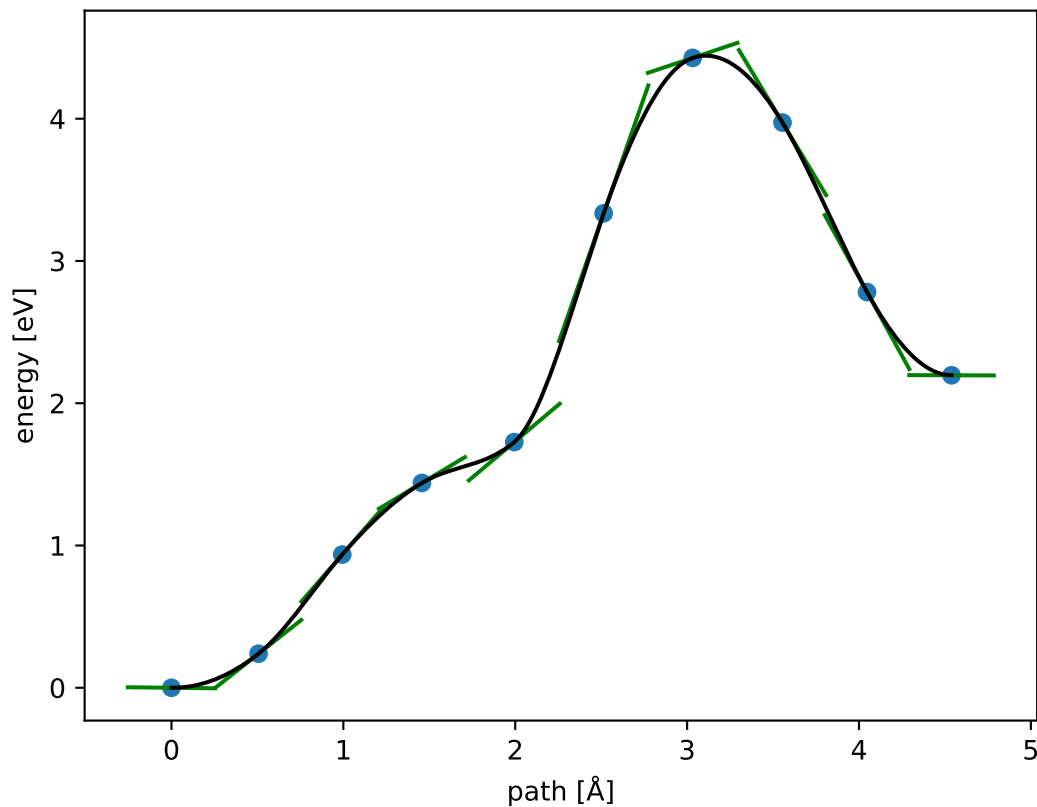
$$E_f \approx 4.556 \text{ eV}; E_r \approx 2.360 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



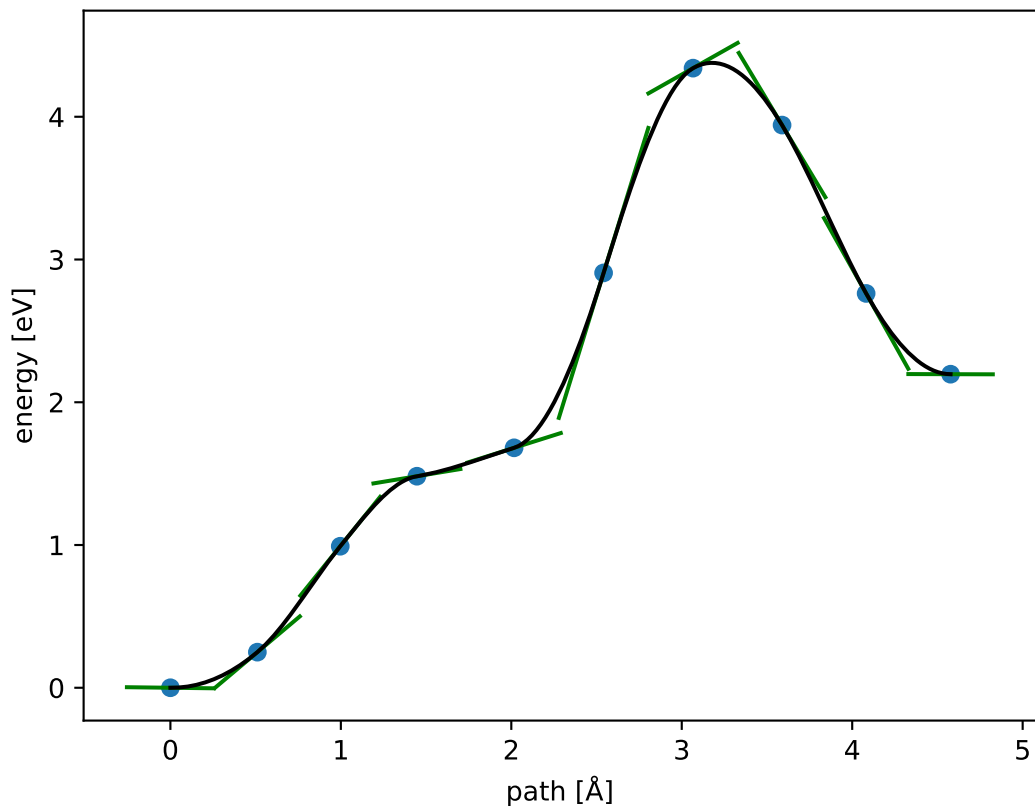
$$E_f \approx 4.504 \text{ eV}; E_r \approx 2.307 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



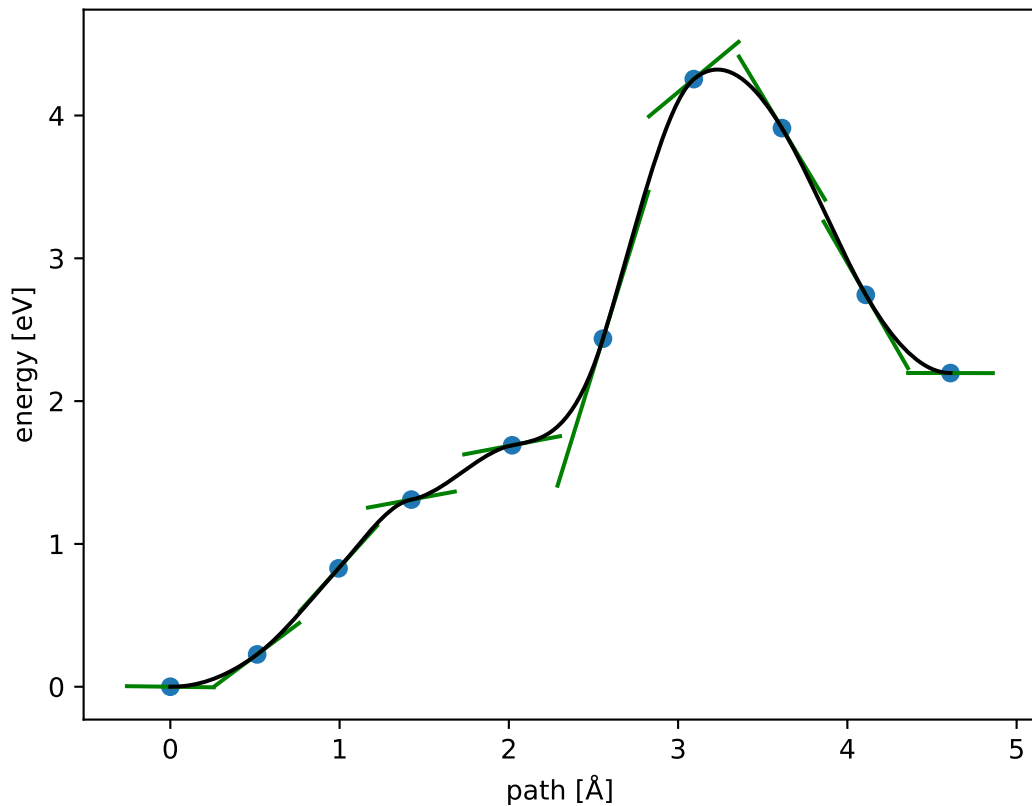
$$E_f \approx 4.428 \text{ eV}; E_r \approx 2.231 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



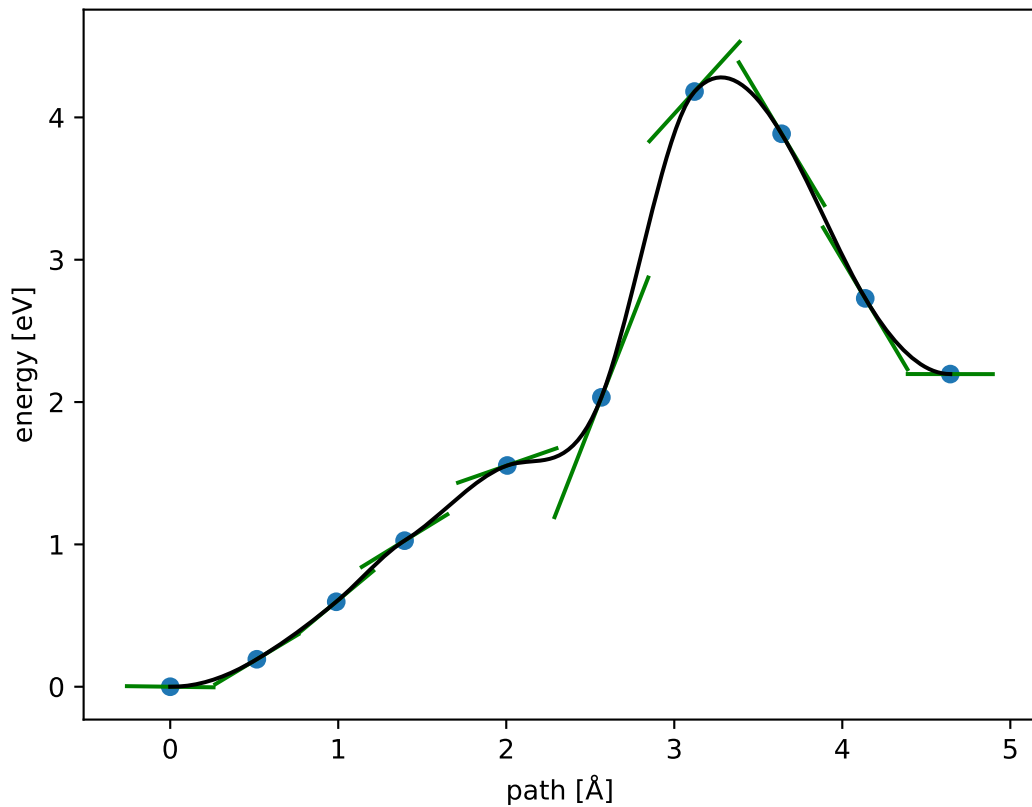
$$E_f \approx 4.341 \text{ eV}; E_r \approx 2.144 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



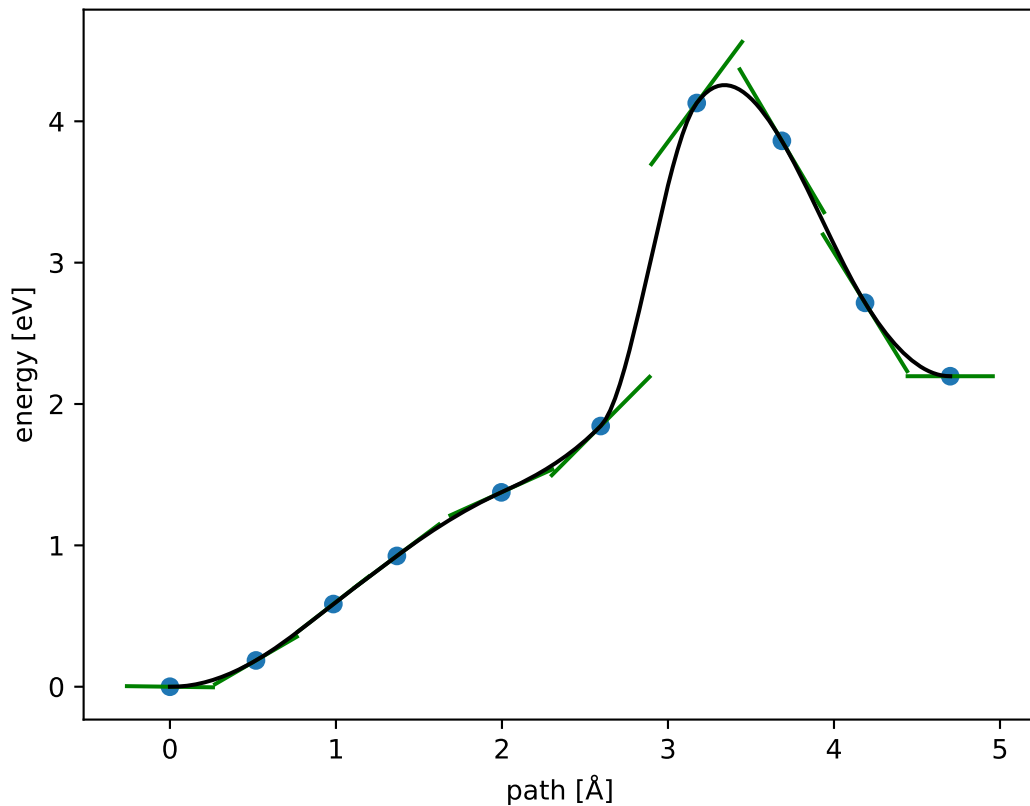
$$E_f \approx 4.255 \text{ eV}; E_r \approx 2.058 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



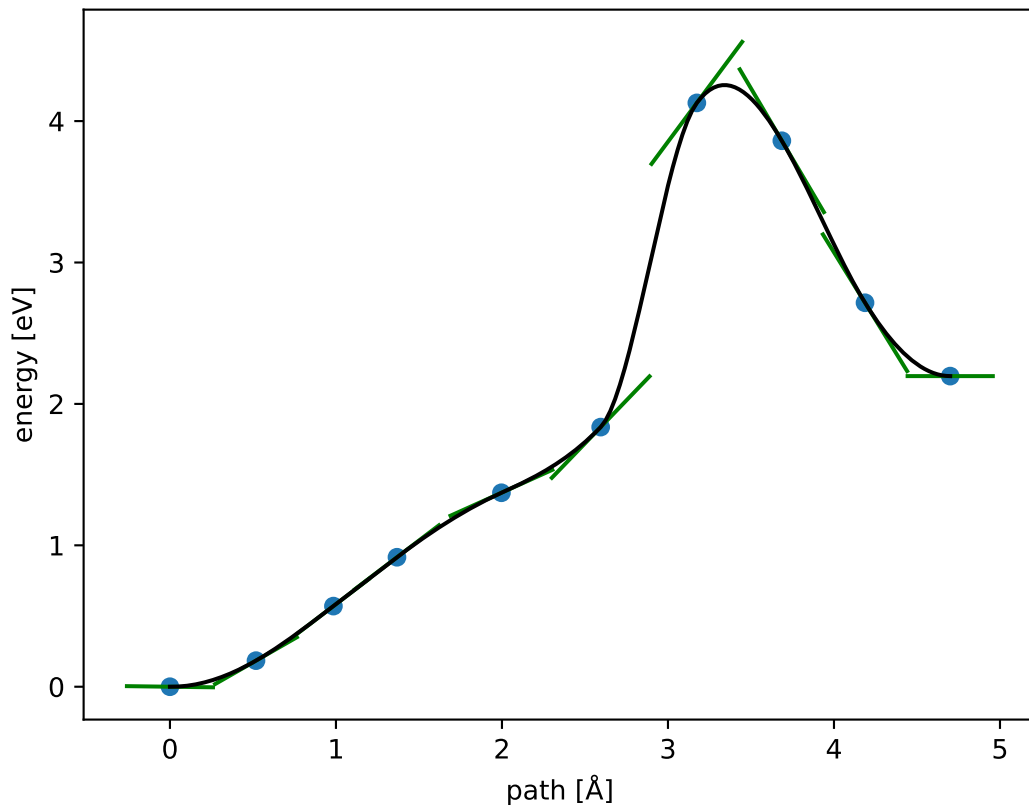
$$E_f \approx 4.182 \text{ eV}; E_r \approx 1.985 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



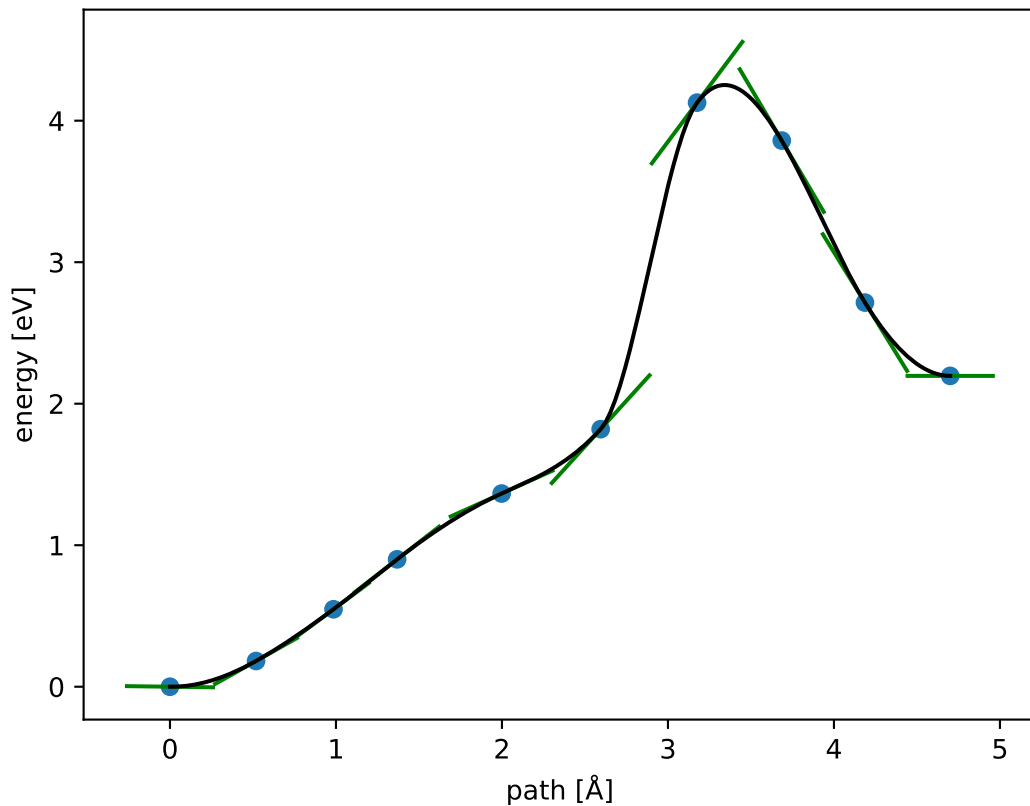
$$E_f \approx 4.129 \text{ eV}; E_r \approx 1.933 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



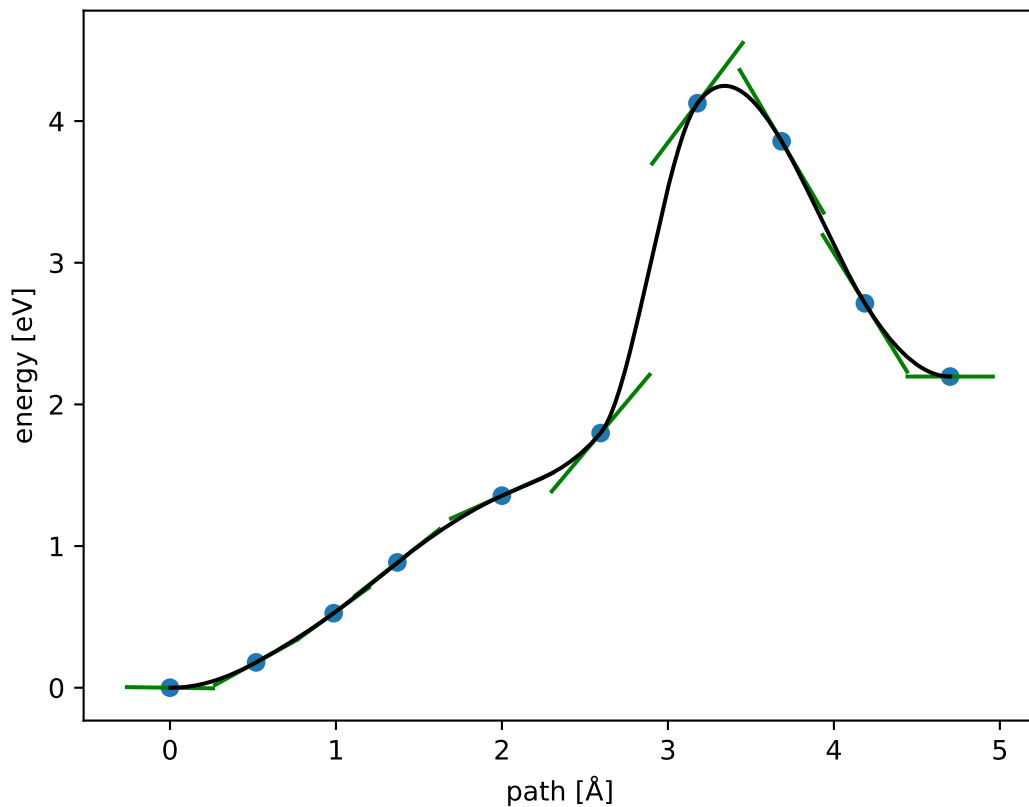
$$E_f \approx 4.129 \text{ eV}; E_r \approx 1.932 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



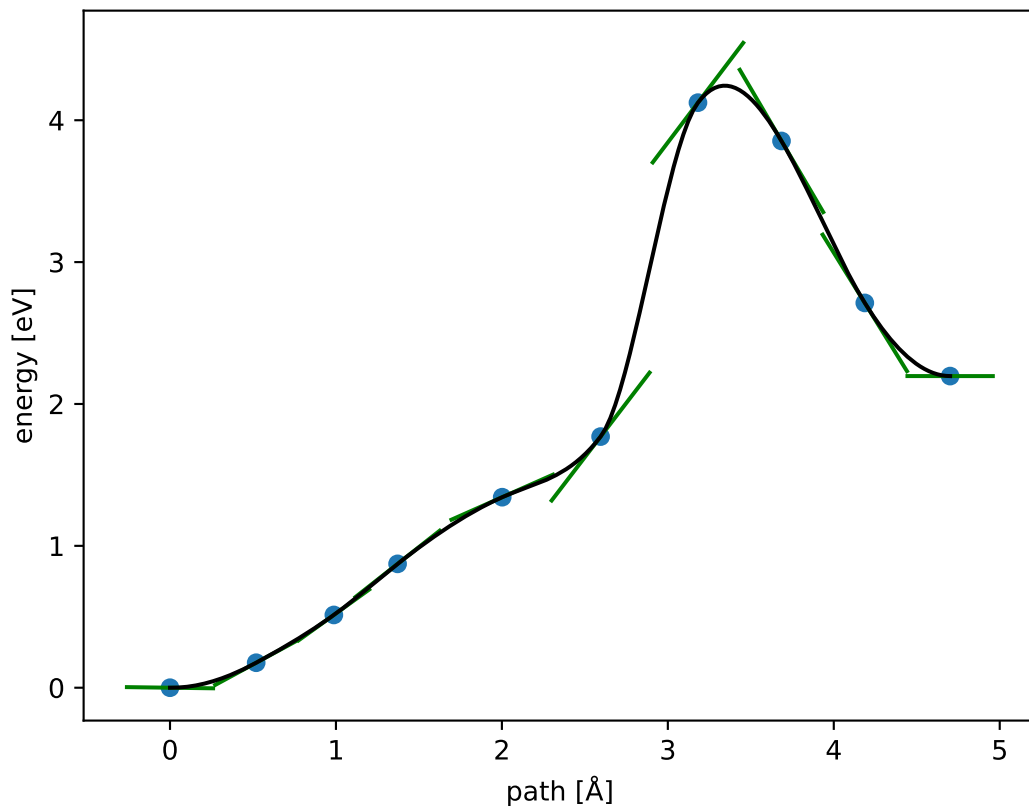
$$E_f \approx 4.128 \text{ eV}; E_r \approx 1.931 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



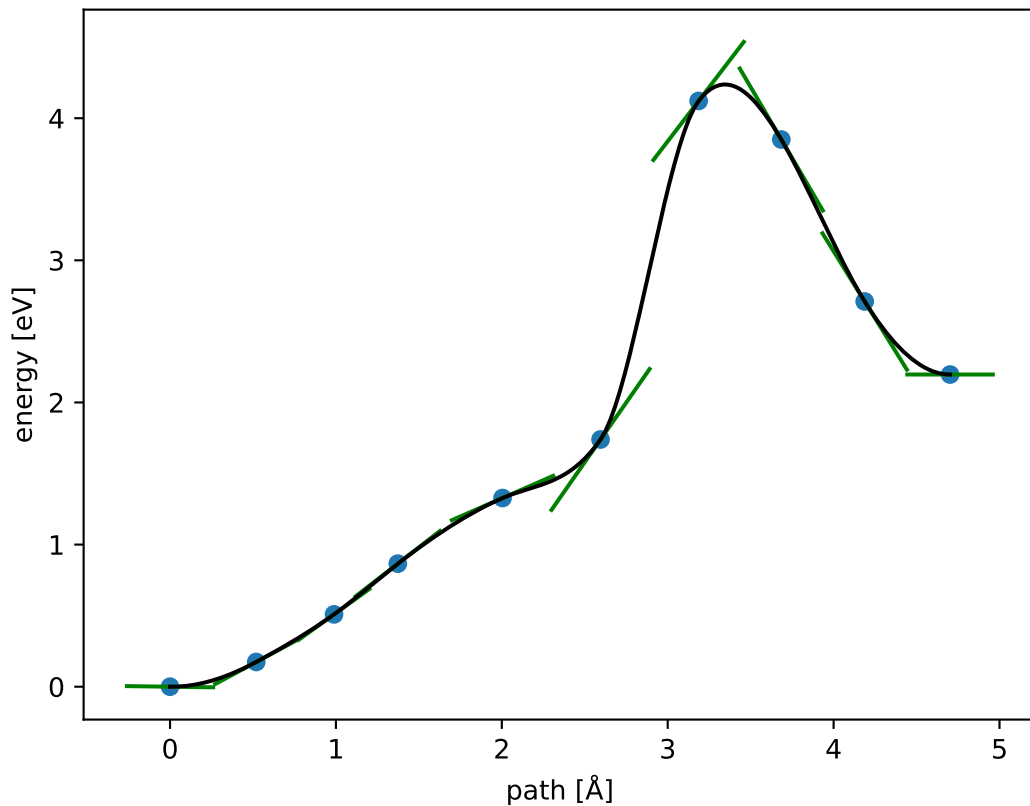
$$E_f \approx 4.126 \text{ eV}; E_r \approx 1.929 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



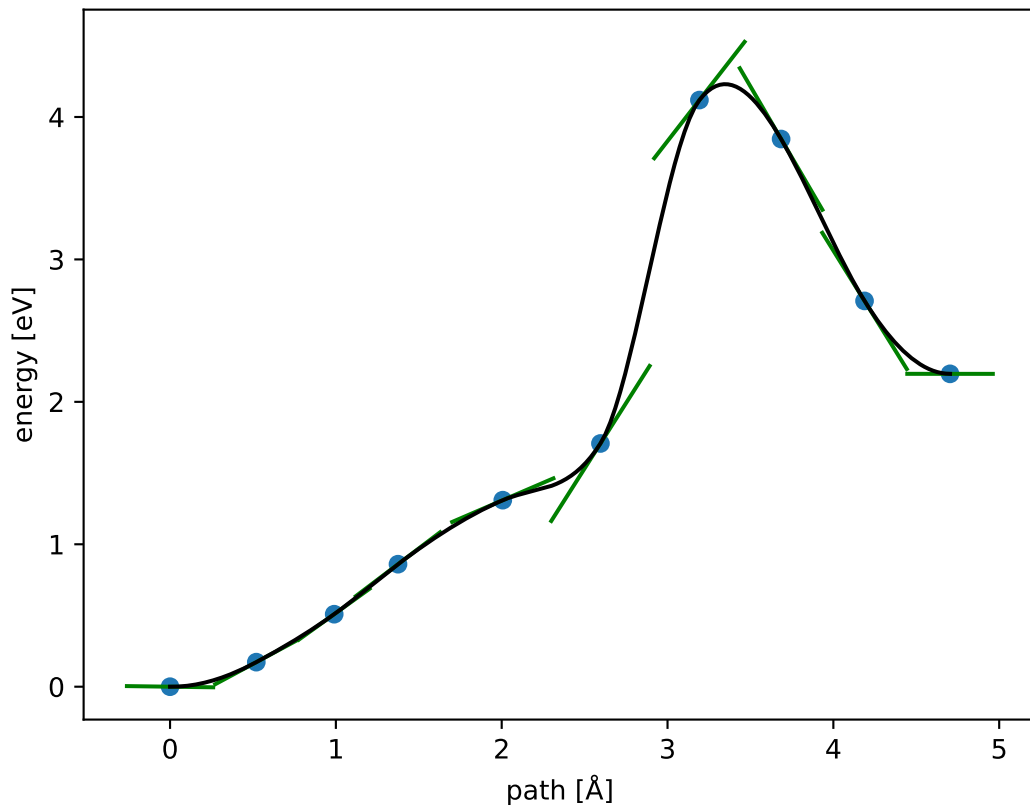
$$E_f \approx 4.124 \text{ eV}; E_r \approx 1.927 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



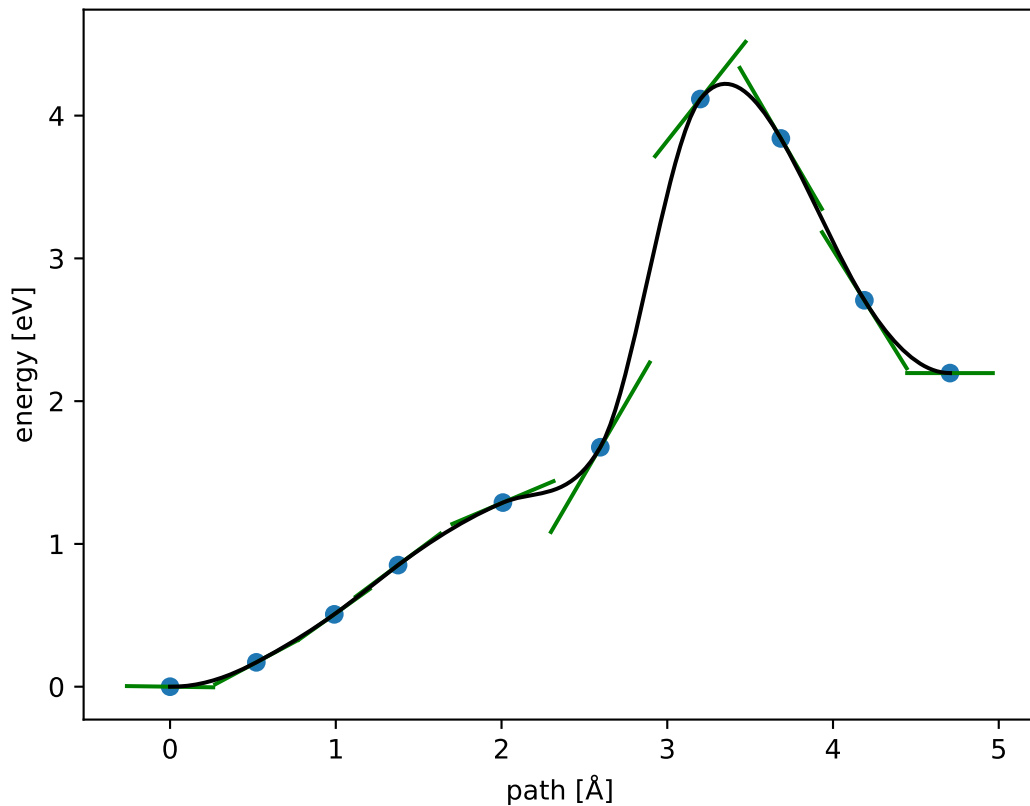
$$E_f \approx 4.122 \text{ eV}; E_r \approx 1.925 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



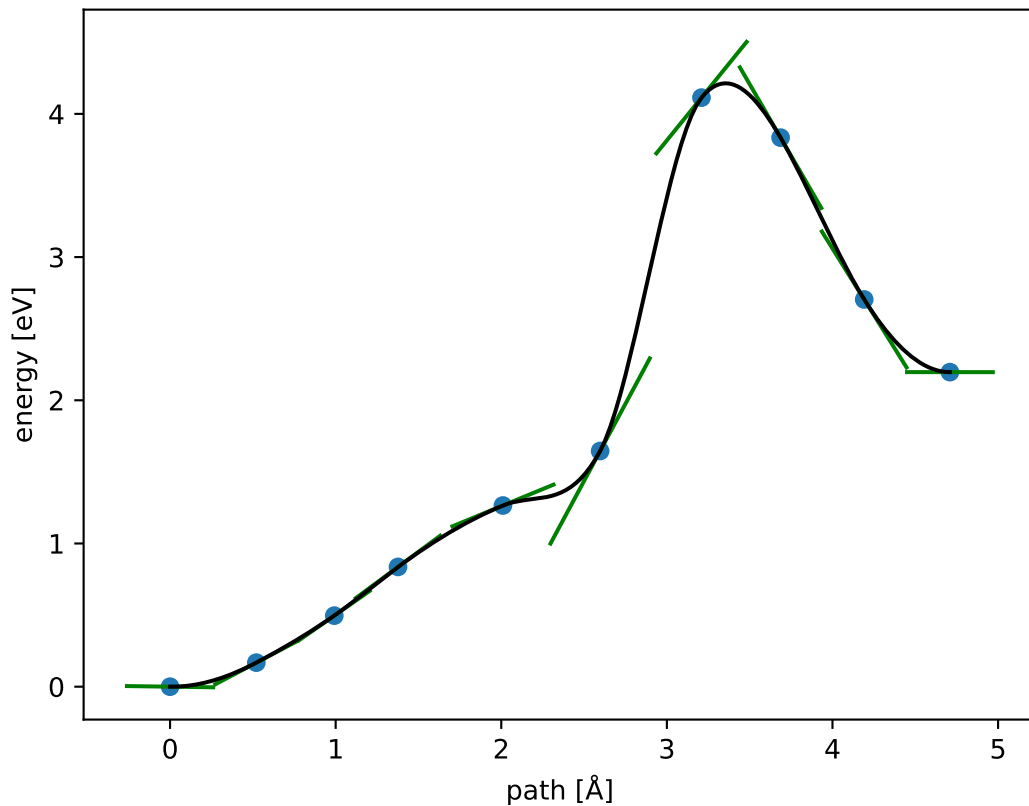
$$E_f \approx 4.119 \text{ eV}; E_r \approx 1.922 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



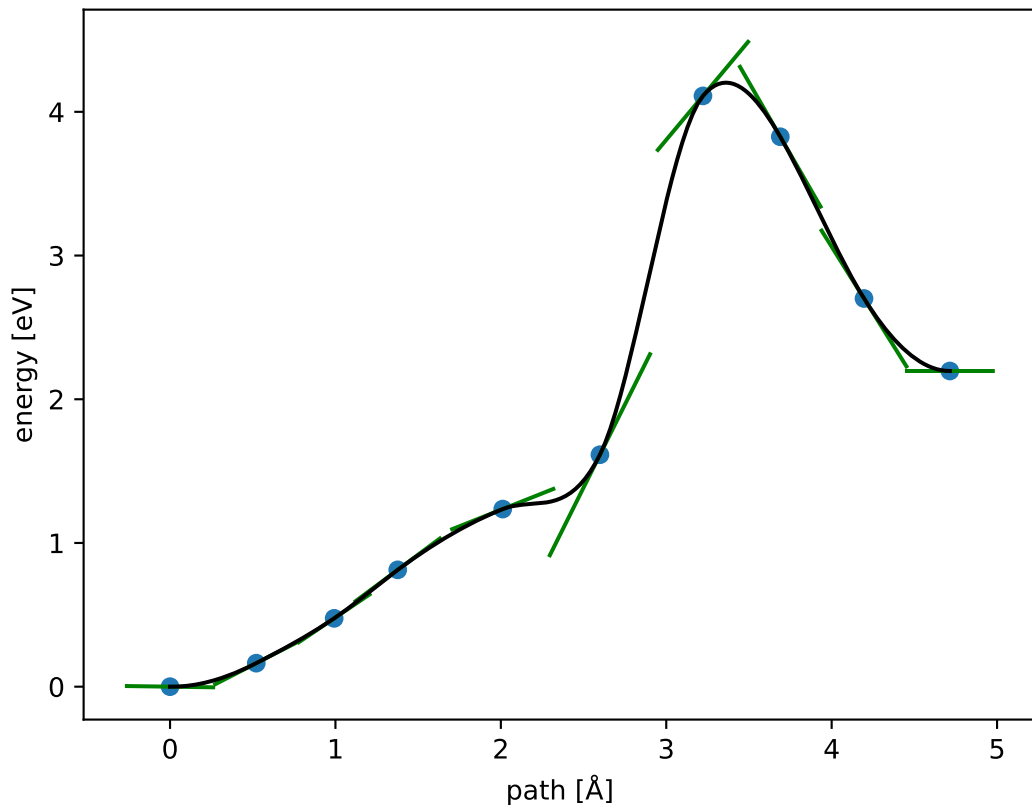
$$E_f \approx 4.116 \text{ eV}; E_r \approx 1.920 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



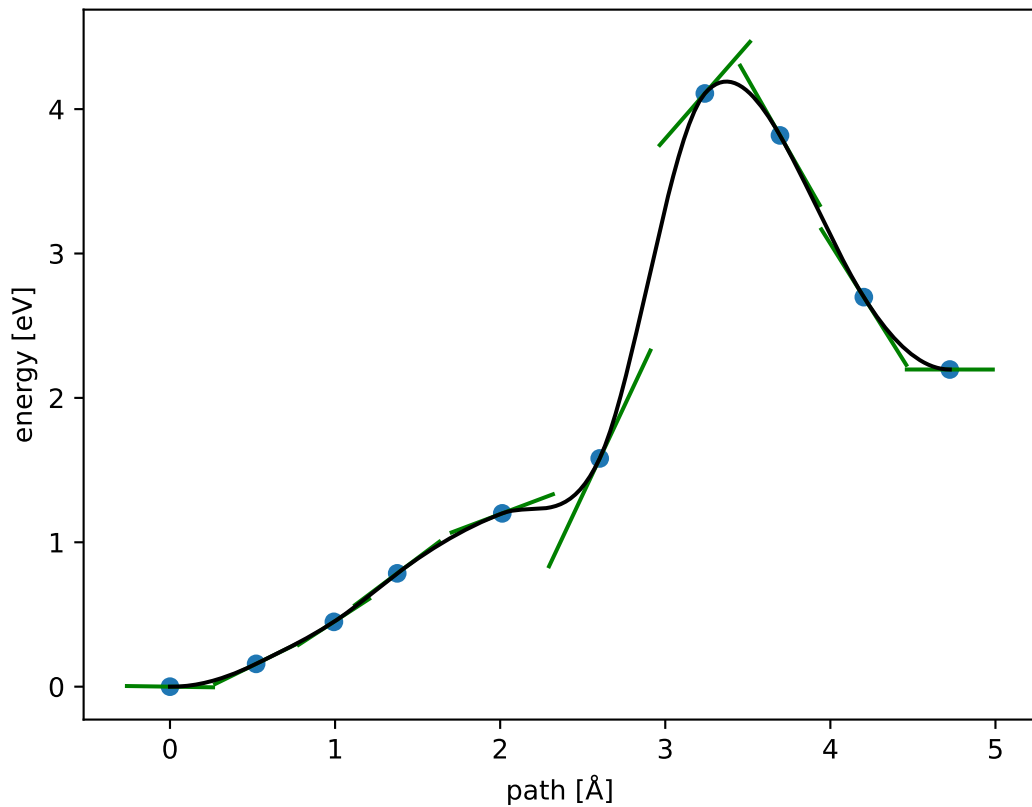
$$E_f \approx 4.113 \text{ eV}; E_r \approx 1.917 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



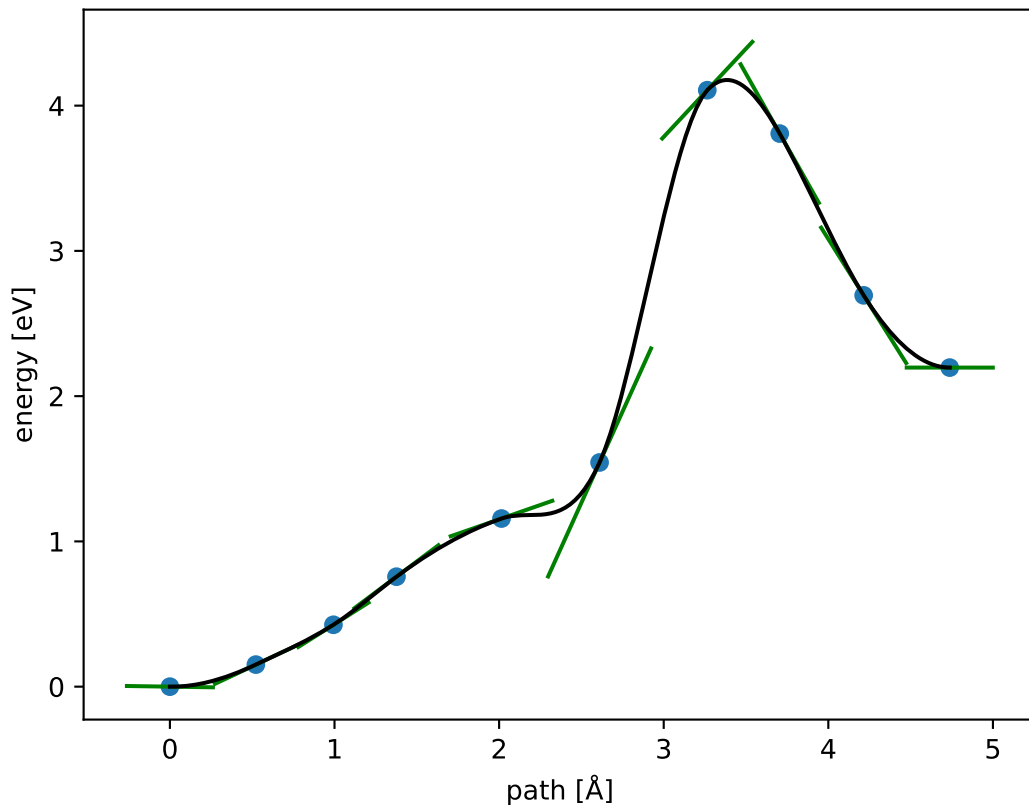
$$E_f \approx 4.111 \text{ eV}; E_r \approx 1.914 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



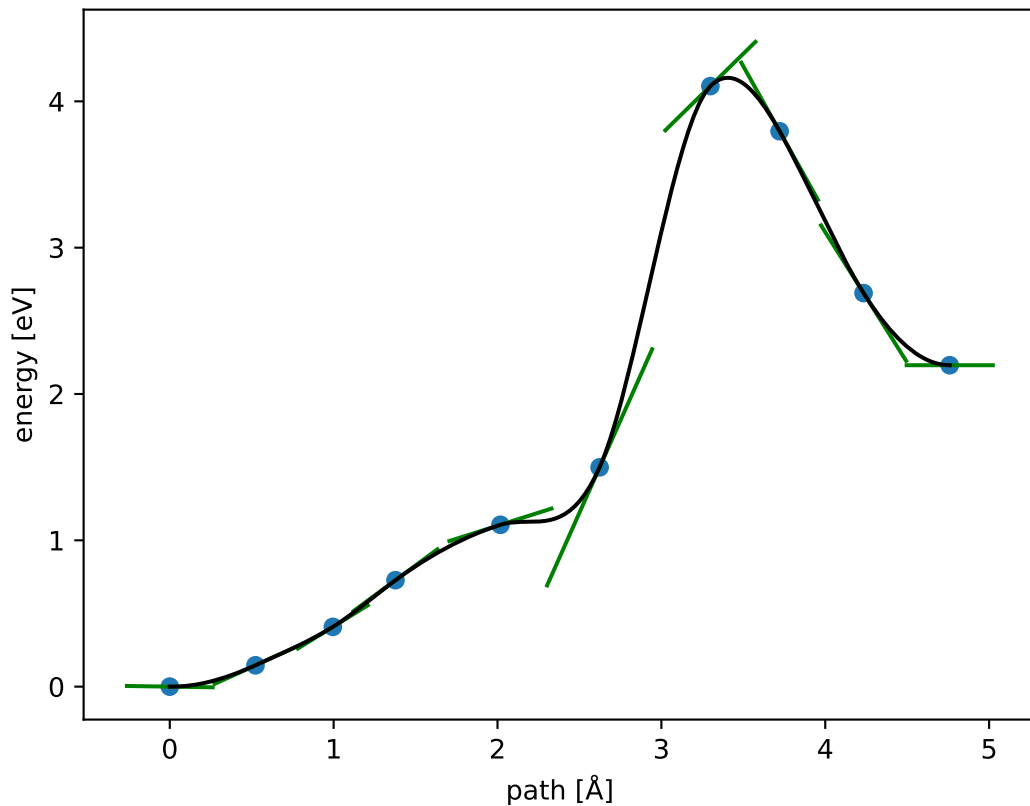
$$E_f \approx 4.108 \text{ eV}; E_r \approx 1.912 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



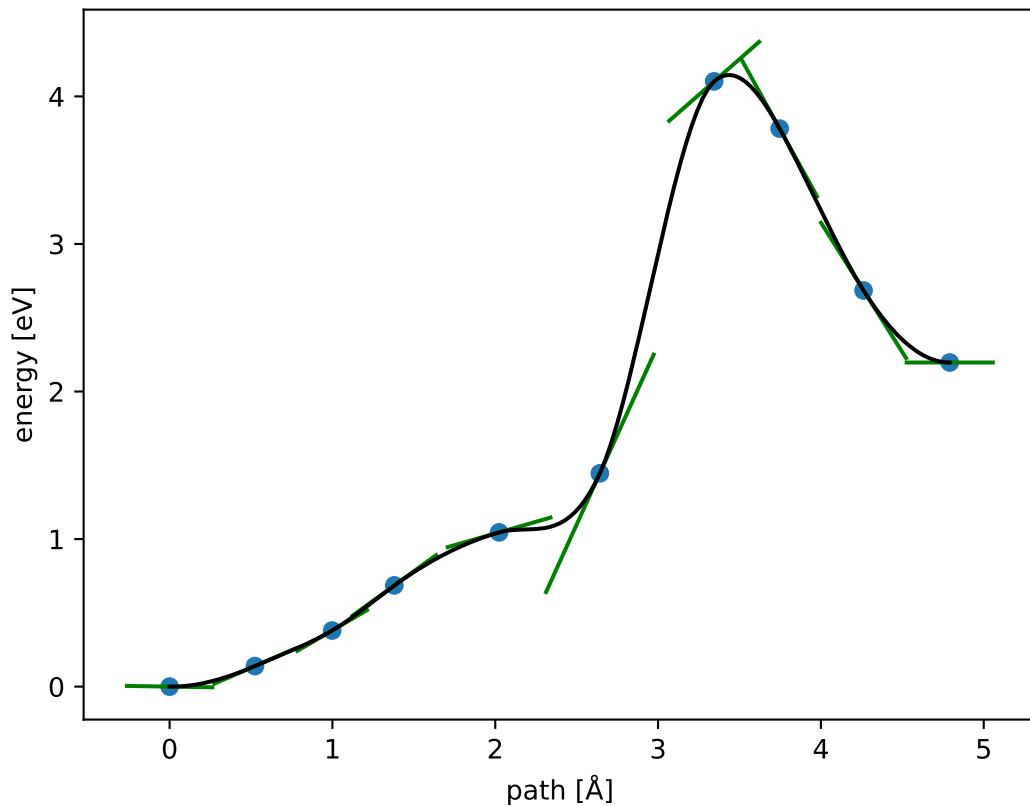
$$E_f \approx 4.106 \text{ eV}; E_r \approx 1.910 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



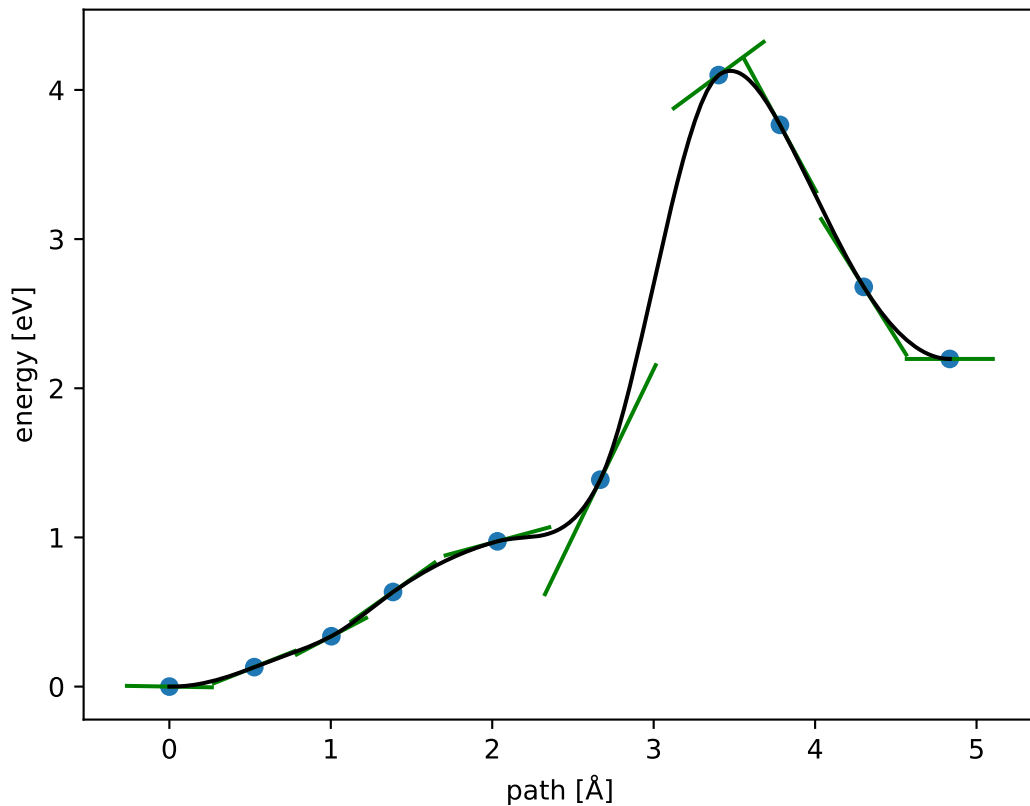
$$E_f \approx 4.104 \text{ eV}; E_r \approx 1.908 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



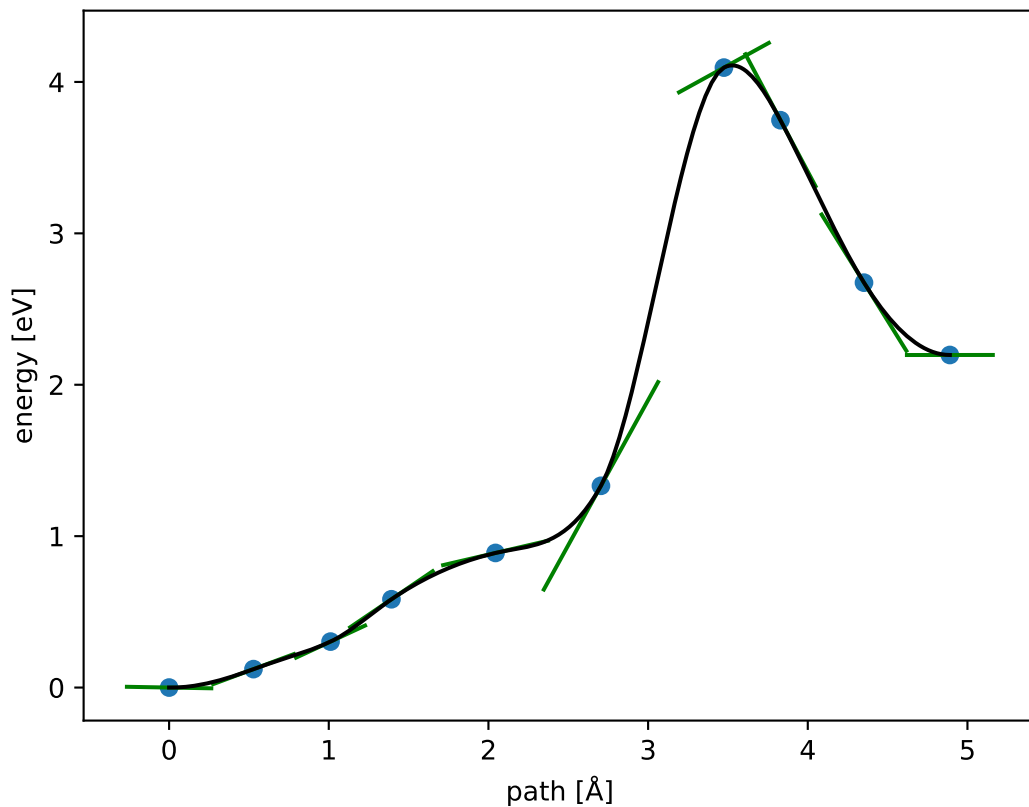
$$E_f \approx 4.102 \text{ eV}; E_r \approx 1.905 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



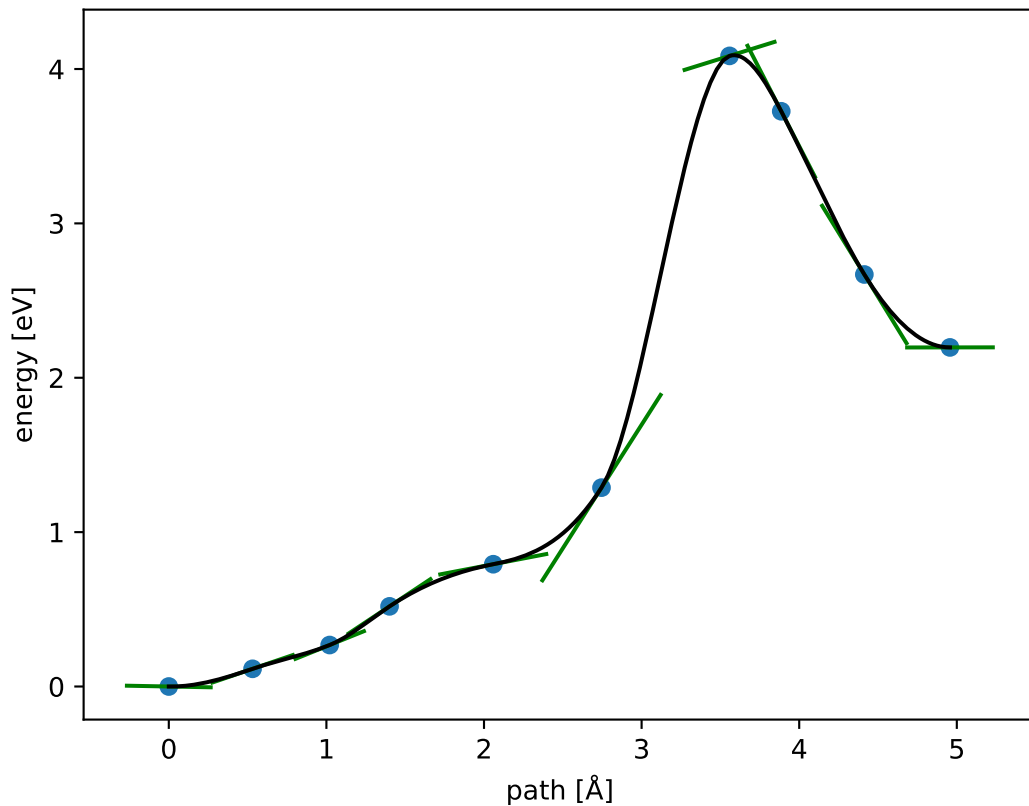
$$E_f \approx 4.100 \text{ eV}; E_r \approx 1.903 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



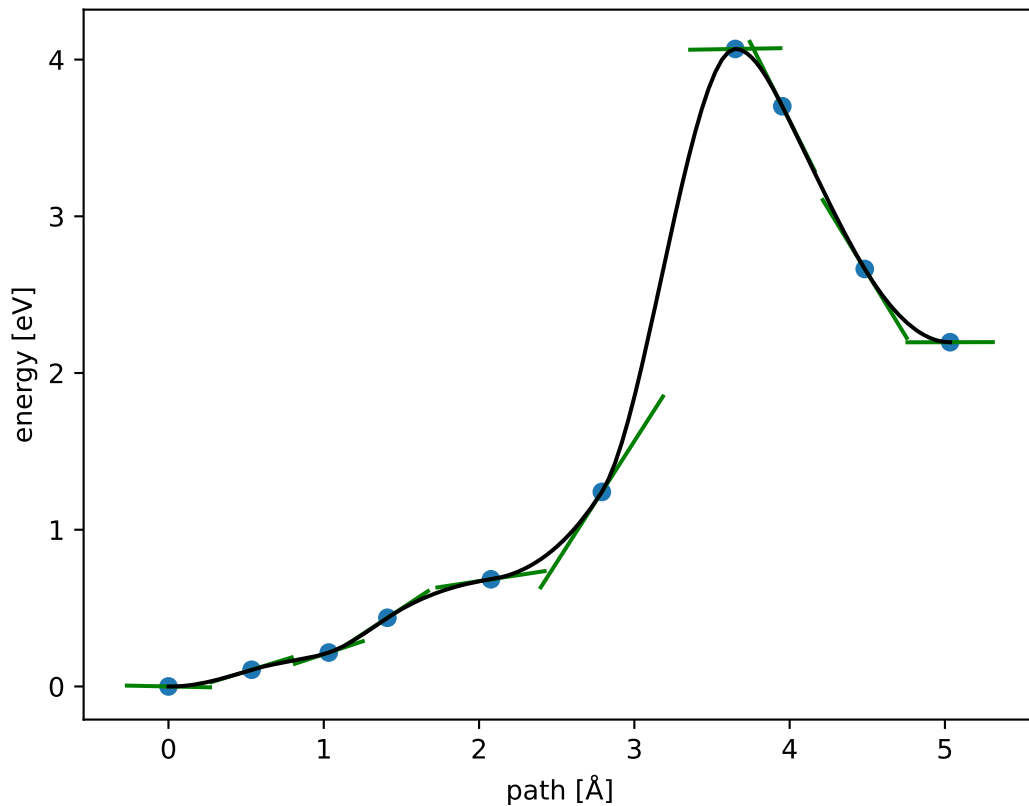
$$E_f \approx 4.095 \text{ eV}; E_r \approx 1.898 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



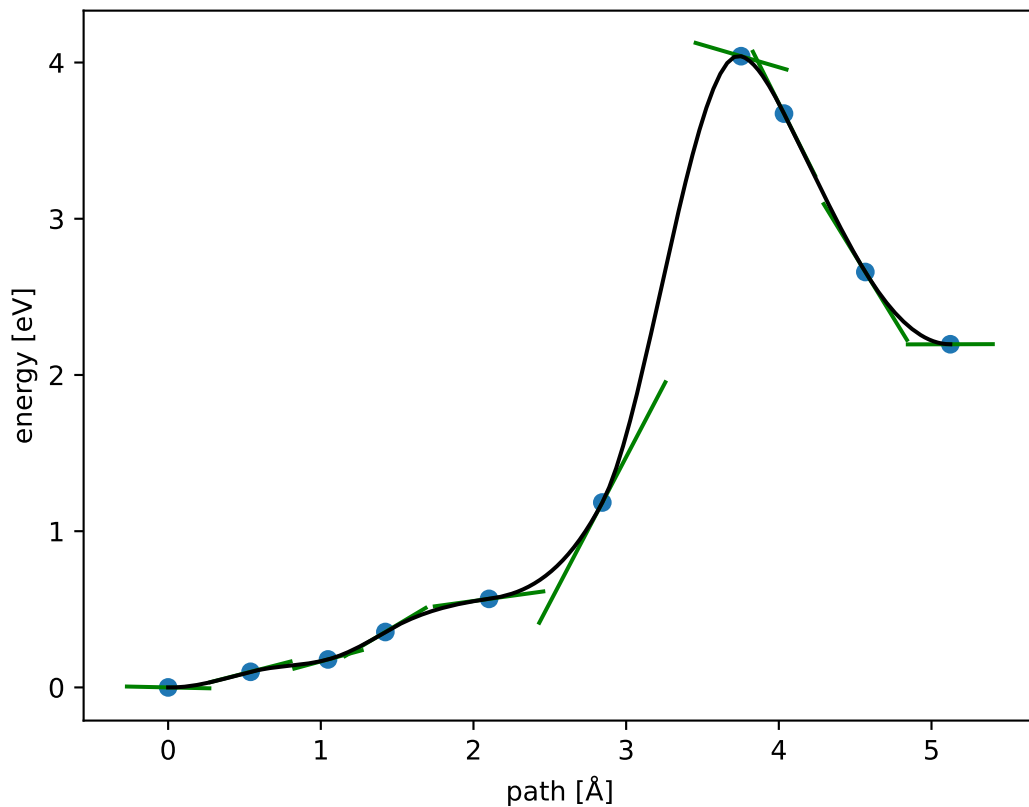
$$E_f \approx 4.085 \text{ eV}; E_r \approx 1.888 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



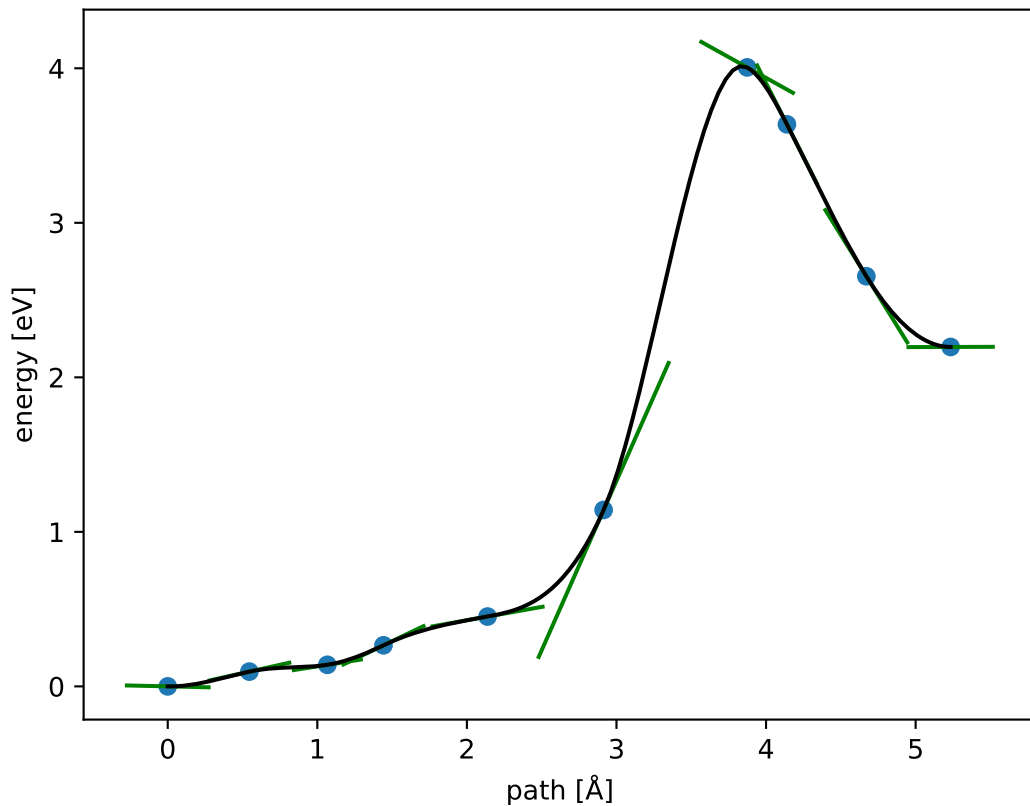
$$E_f \approx 4.068 \text{ eV}; E_r \approx 1.871 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



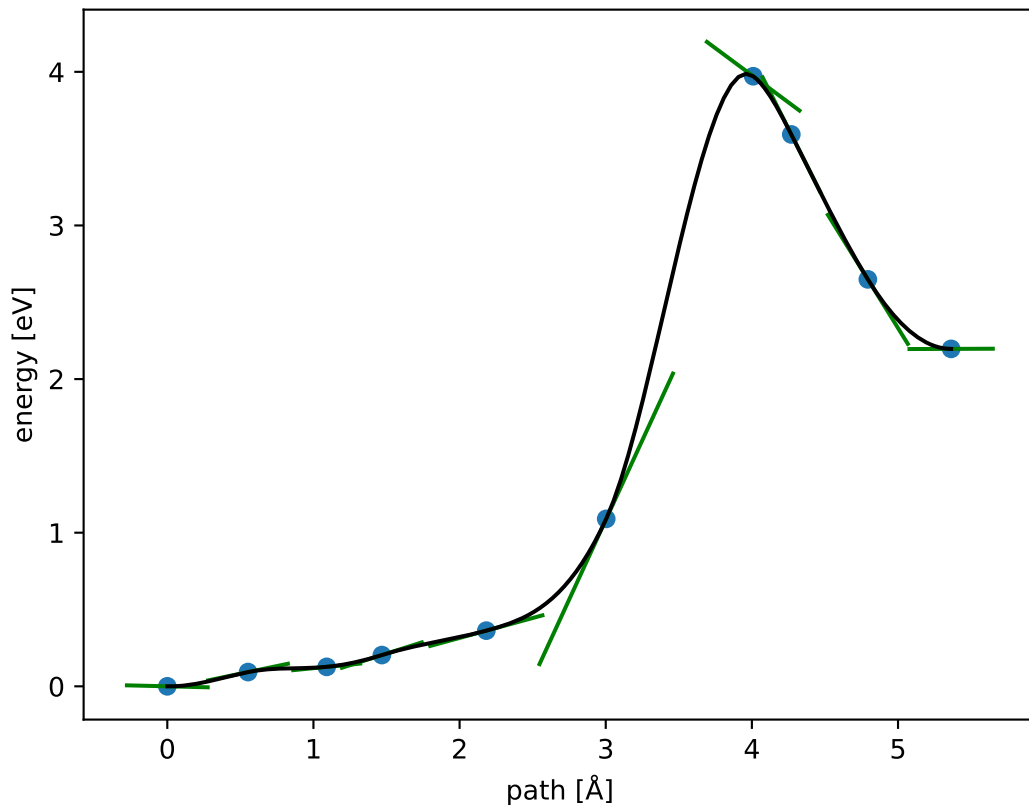
$$E_f \approx 4.041 \text{ eV}; E_r \approx 1.844 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



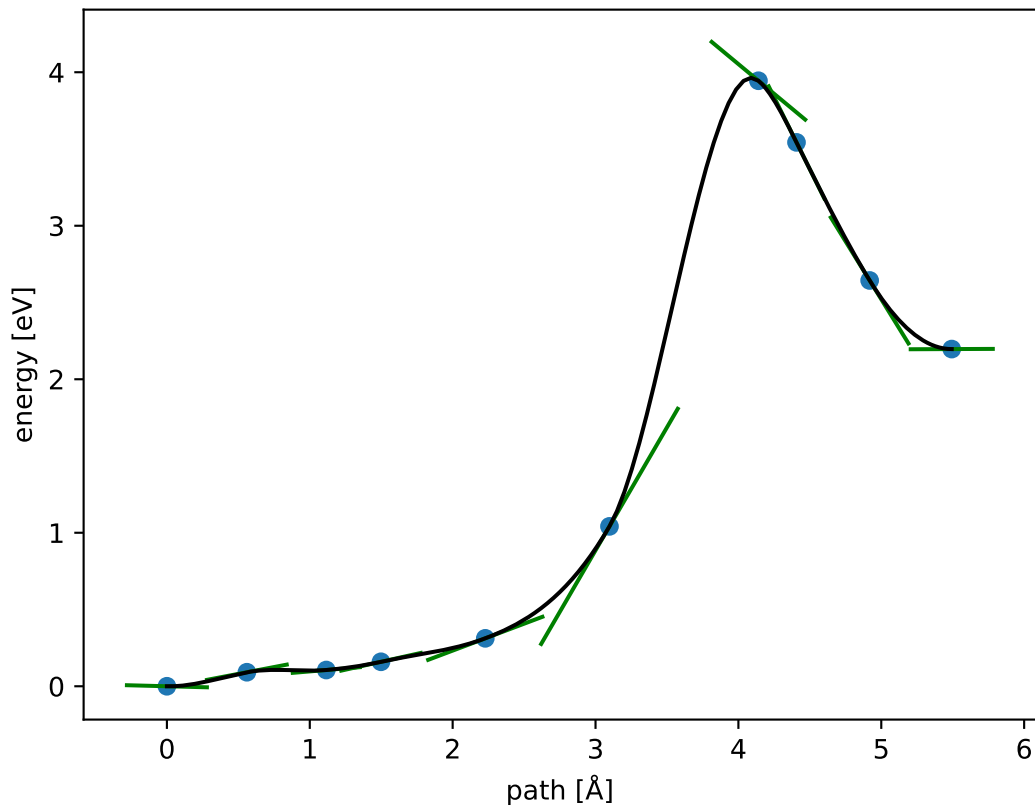
$$E_f \approx 4.006 \text{ eV}; E_r \approx 1.809 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



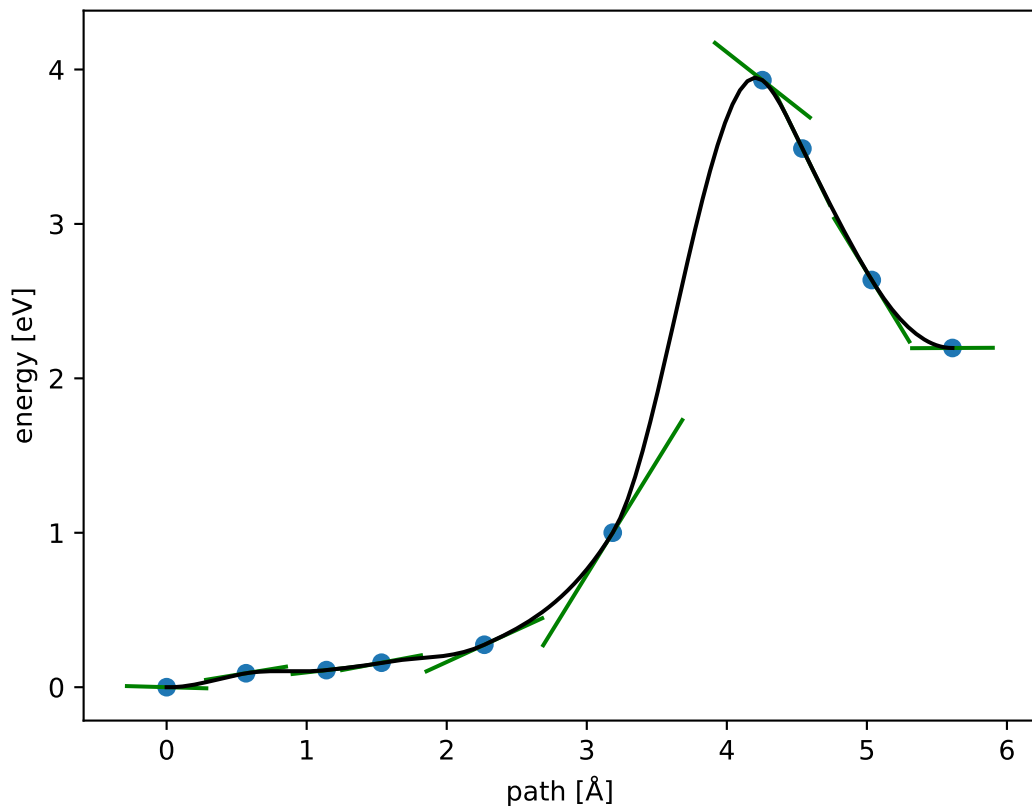
$$E_f \approx 3.971 \text{ eV}; E_r \approx 1.775 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



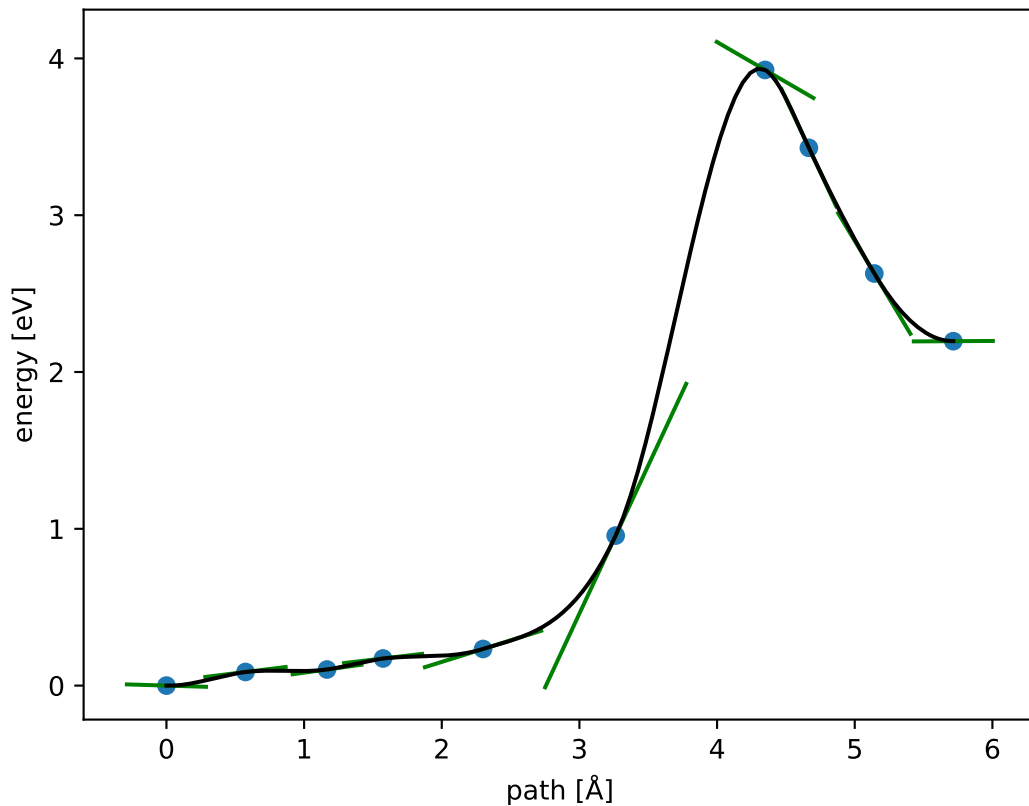
$$E_f \approx 3.945 \text{ eV}; E_r \approx 1.748 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



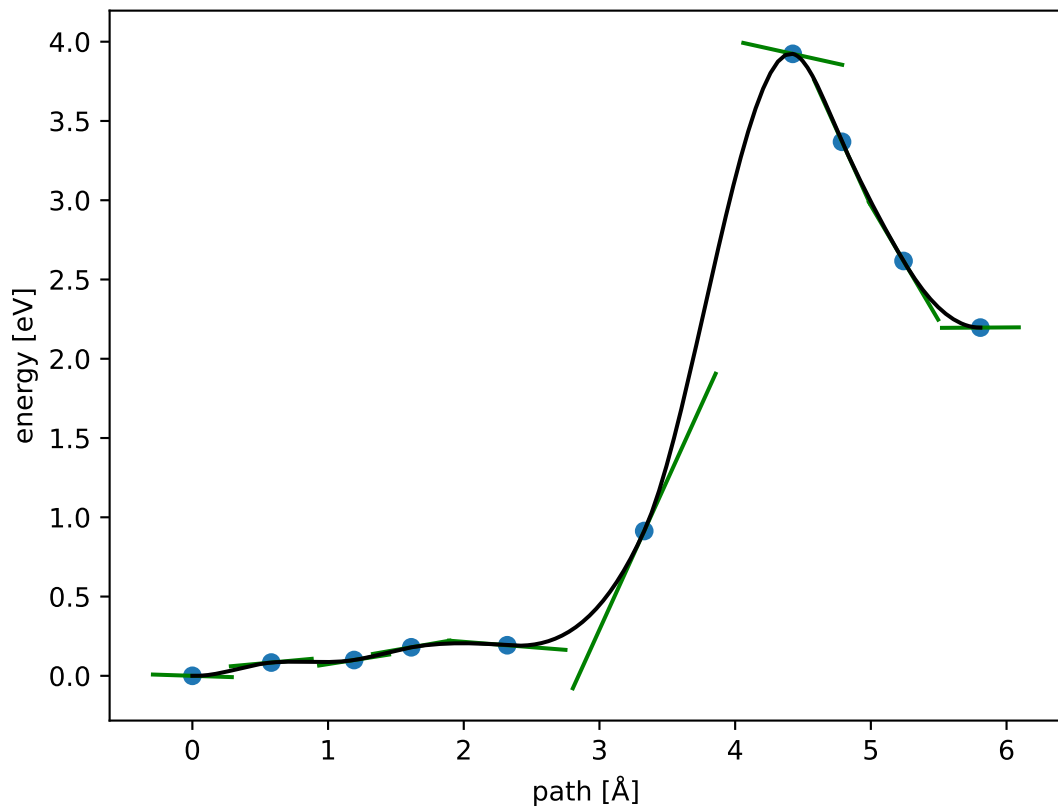
$$E_f \approx 3.931 \text{ eV}; E_r \approx 1.734 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



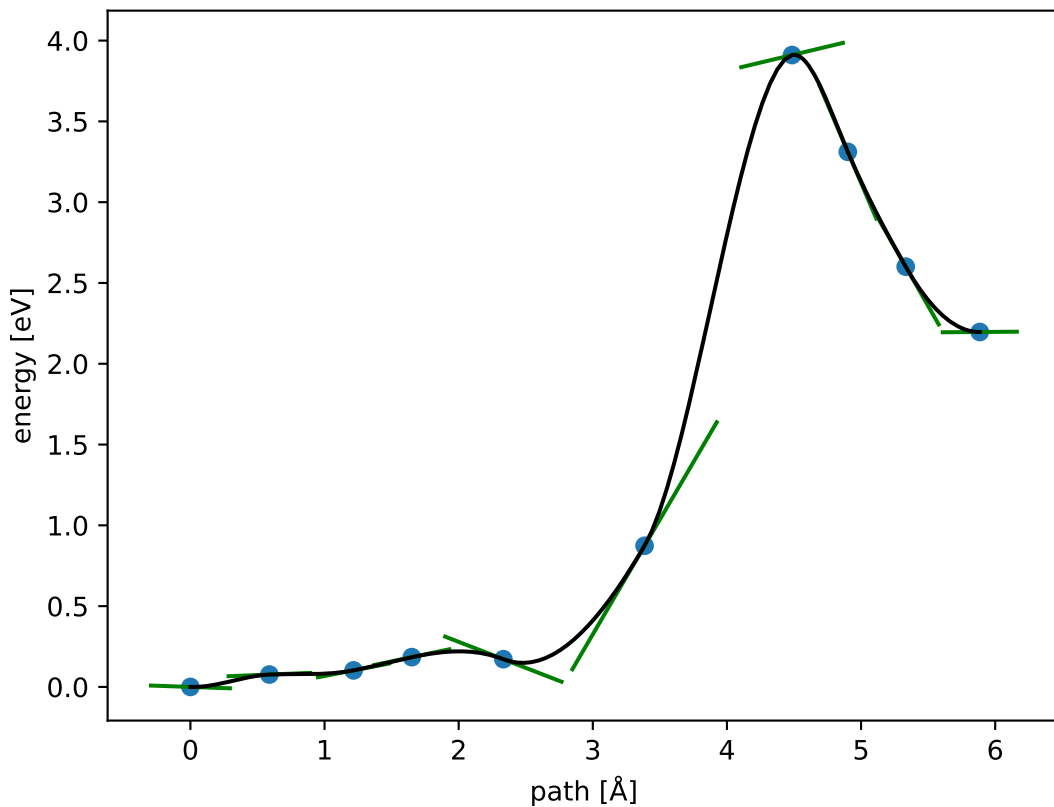
$$E_f \approx 3.926 \text{ eV}; E_r \approx 1.730 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



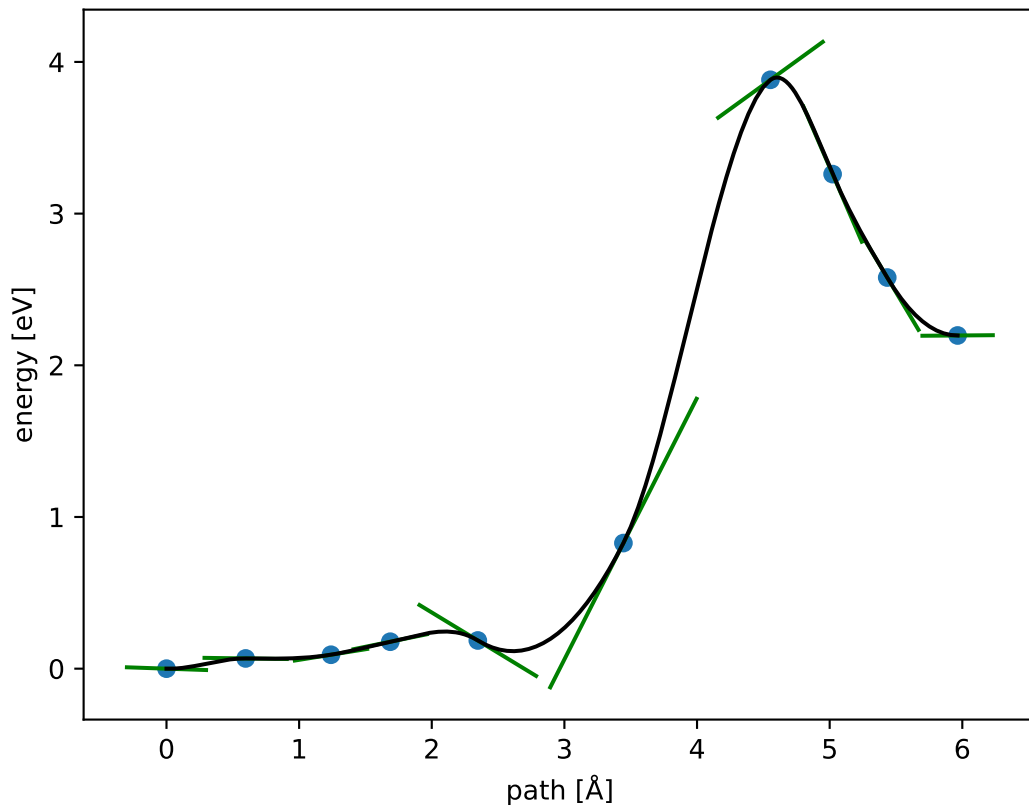
$$E_f \approx 3.923 \text{ eV}; E_r \approx 1.727 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



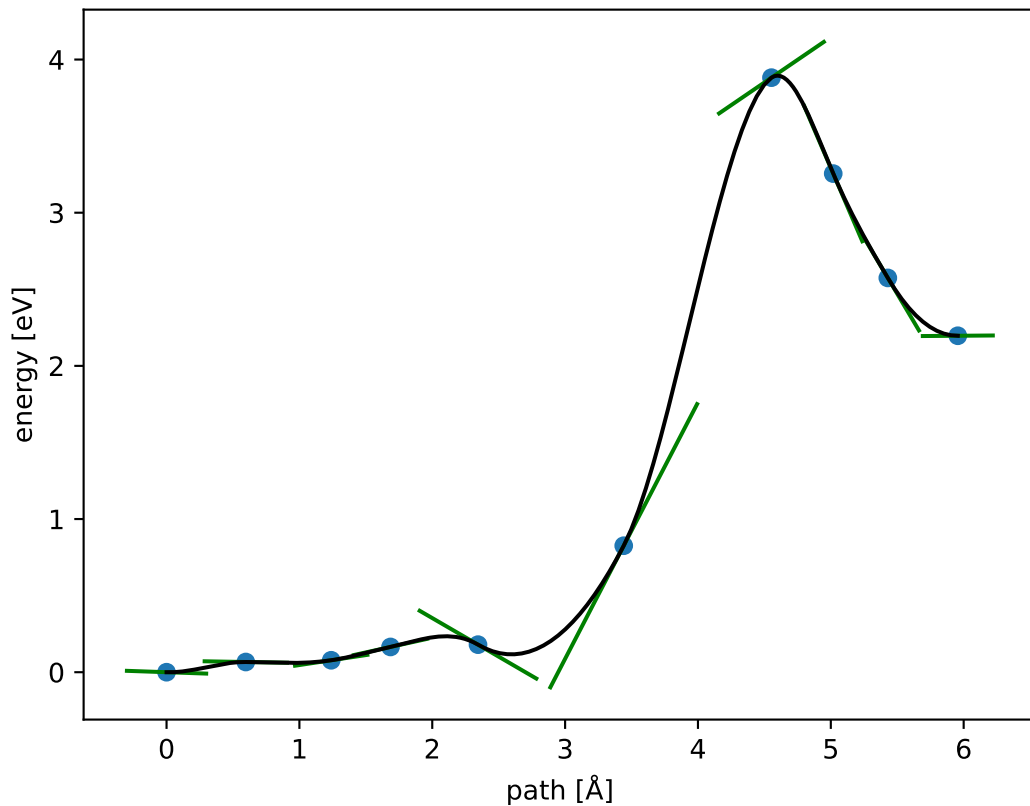
$$E_f \approx 3.911 \text{ eV}; E_r \approx 1.714 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



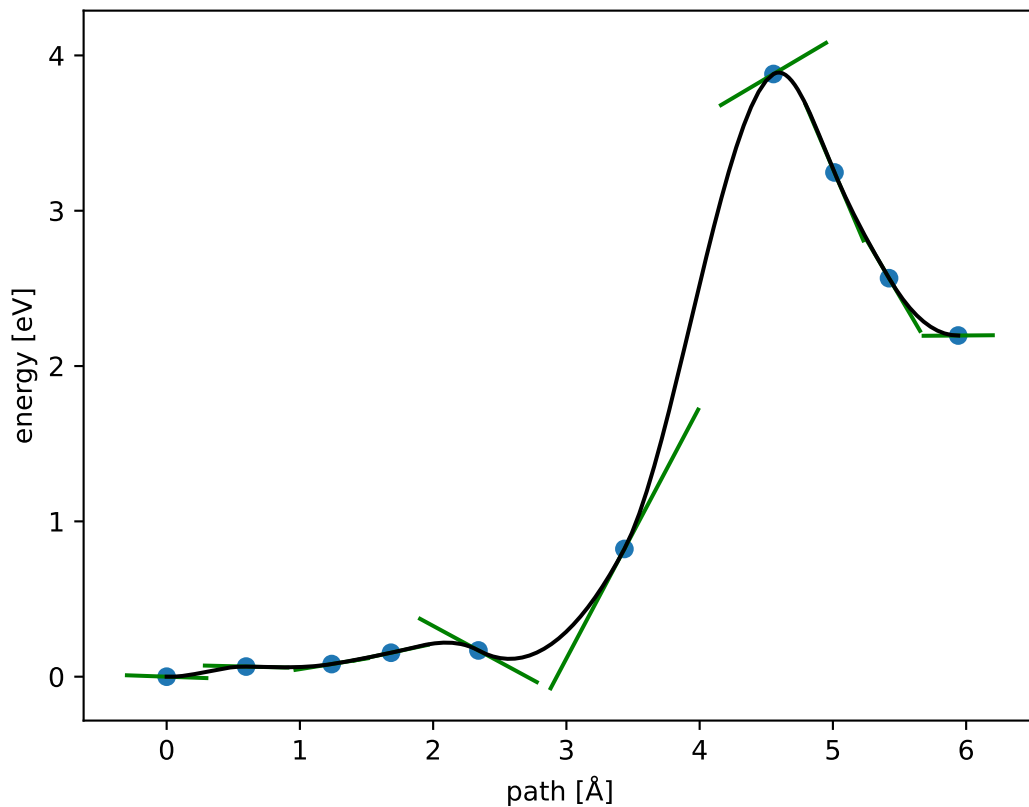
$$E_f \approx 3.882 \text{ eV}; E_r \approx 1.686 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



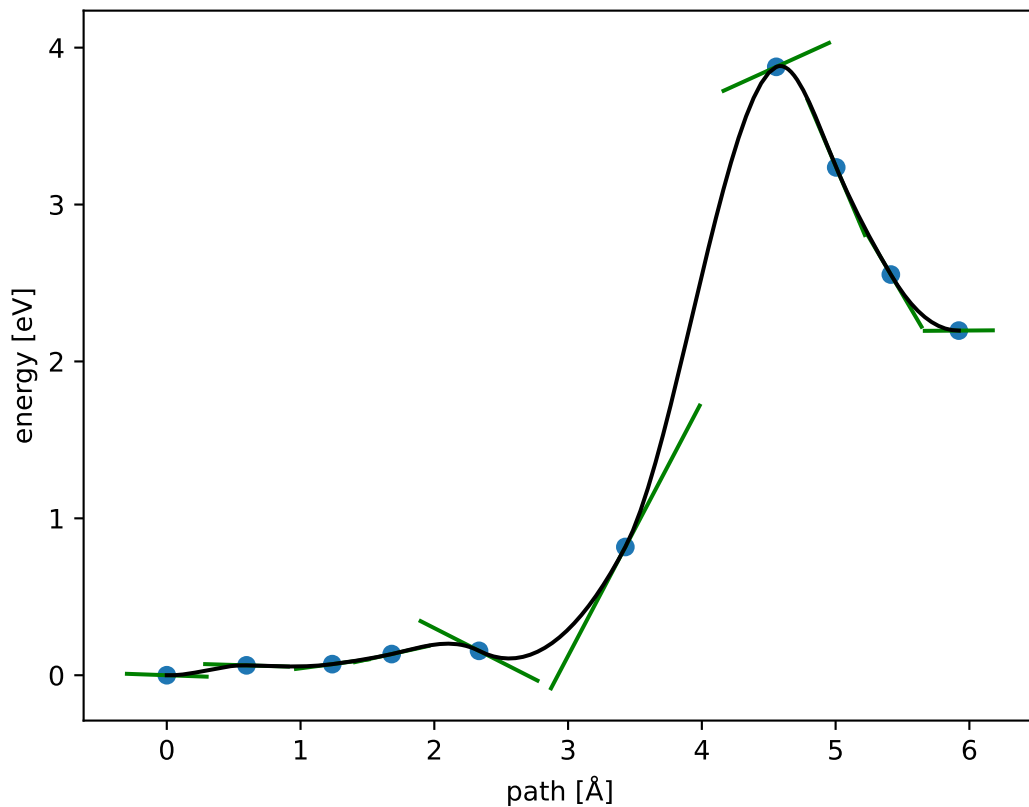
$$E_f \approx 3.882 \text{ eV}; E_r \approx 1.685 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



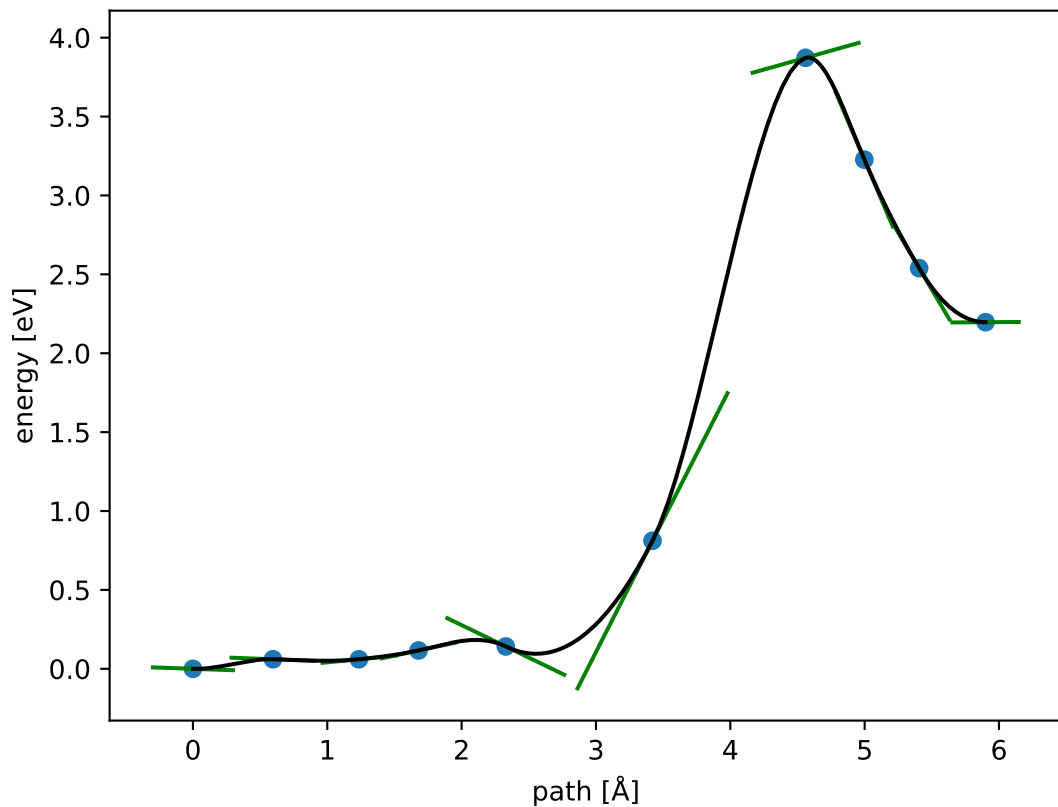
$$E_f \approx 3.880 \text{ eV}; E_r \approx 1.684 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



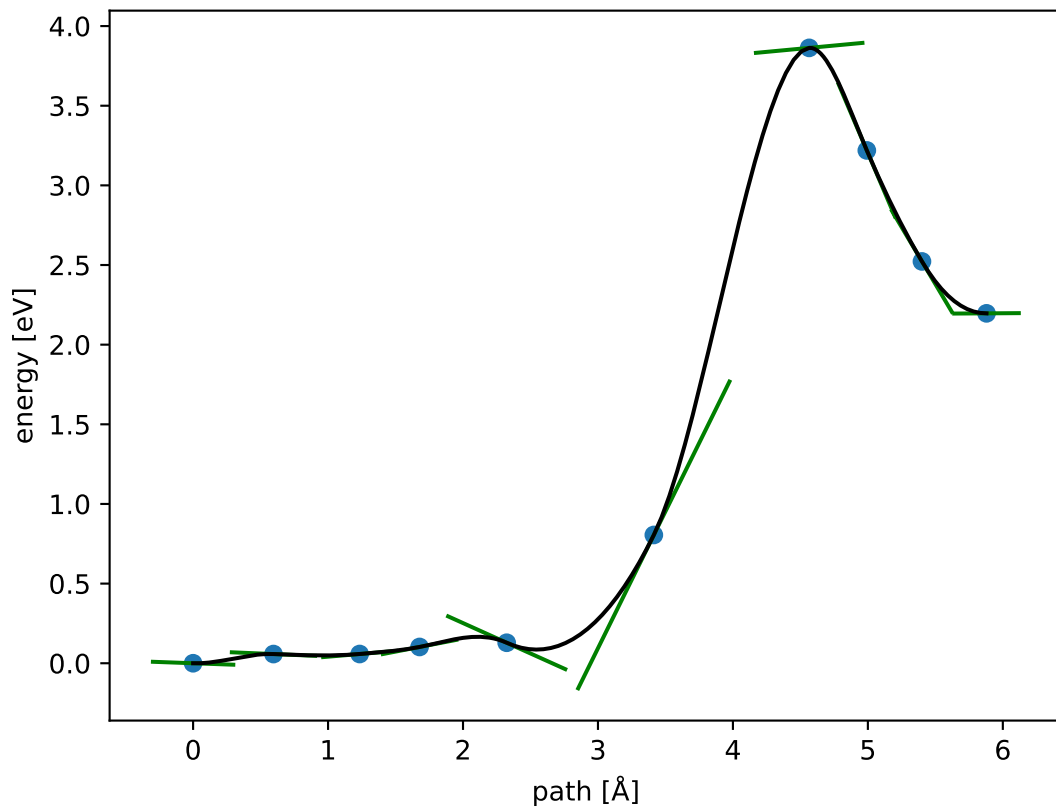
$$E_f \approx 3.878 \text{ eV}; E_r \approx 1.681 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



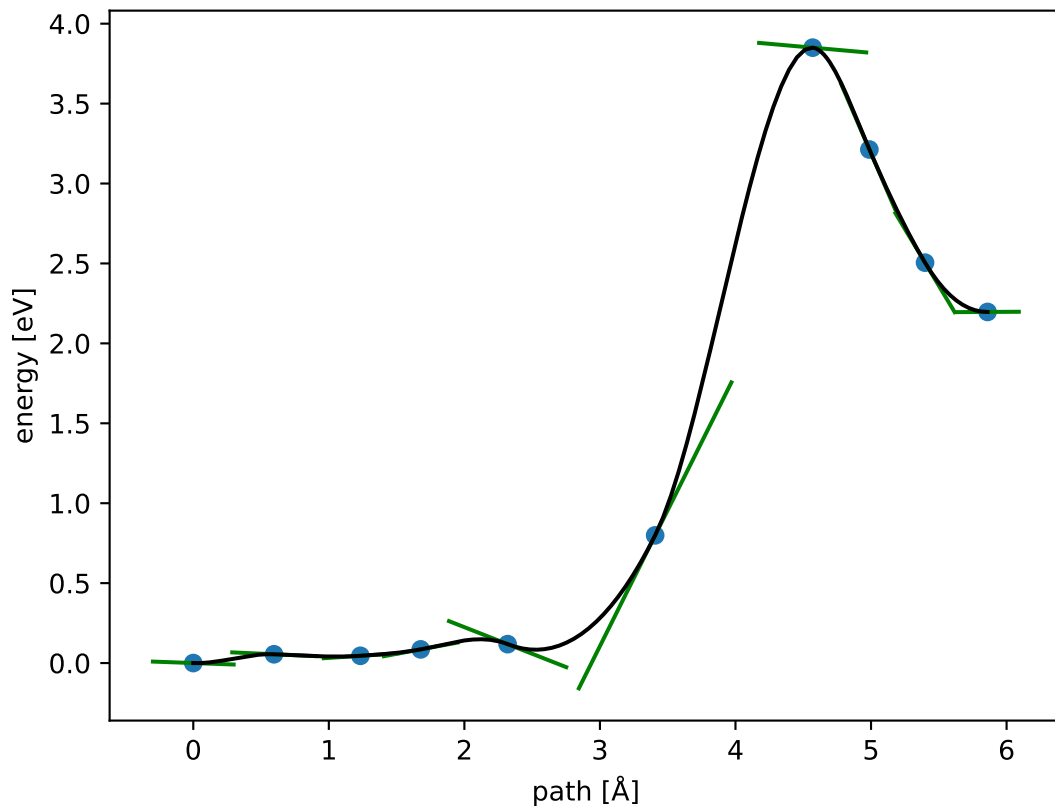
$$E_f \approx 3.872 \text{ eV}; E_r \approx 1.676 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



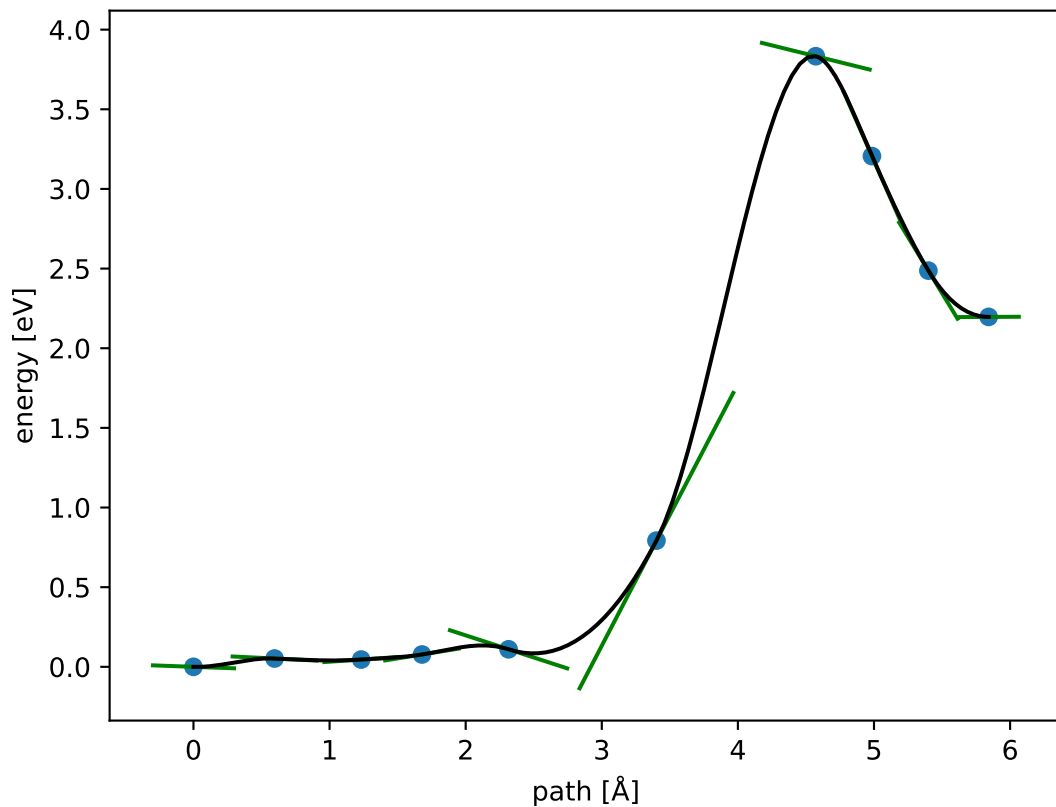
$$E_f \approx 3.863 \text{ eV}; E_r \approx 1.667 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



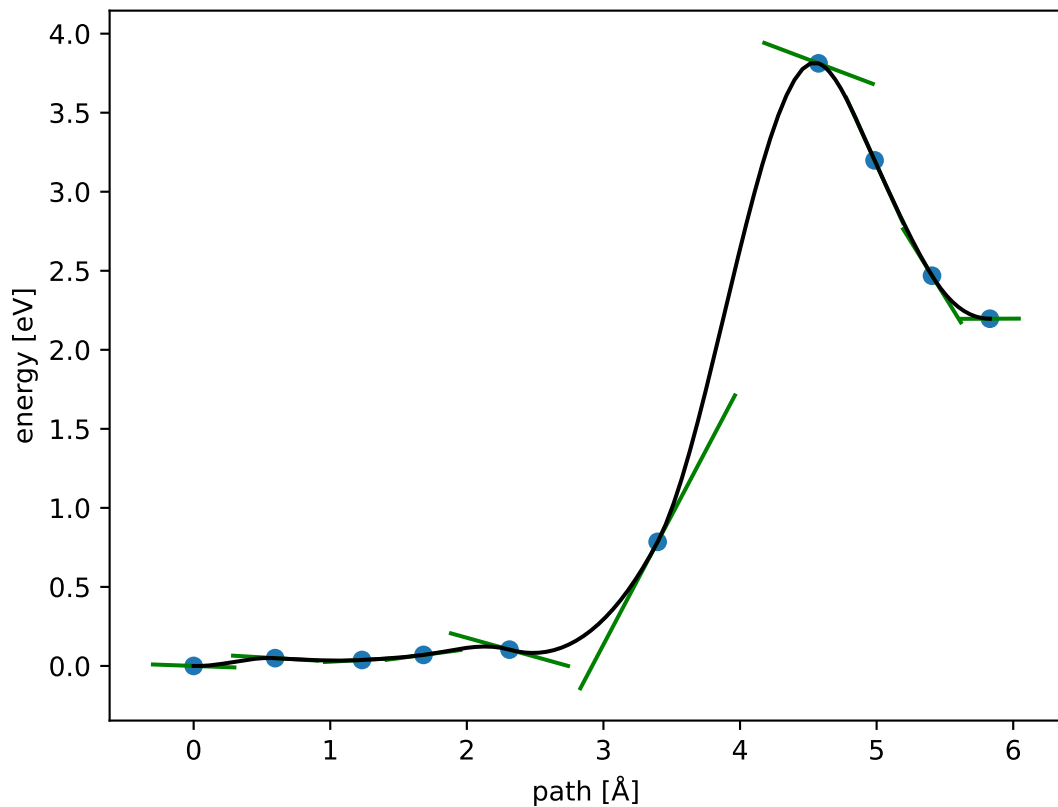
$$E_f \approx 3.850 \text{ eV}; E_r \approx 1.653 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



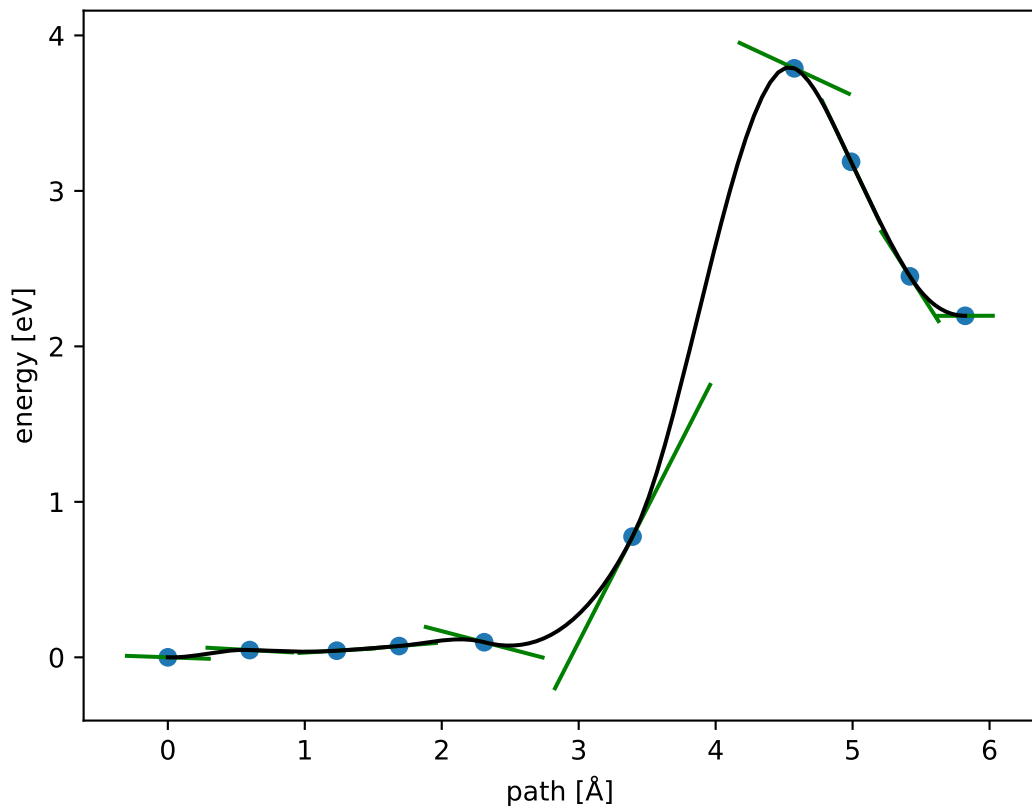
$$E_f \approx 3.833 \text{ eV}; E_r \approx 1.636 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



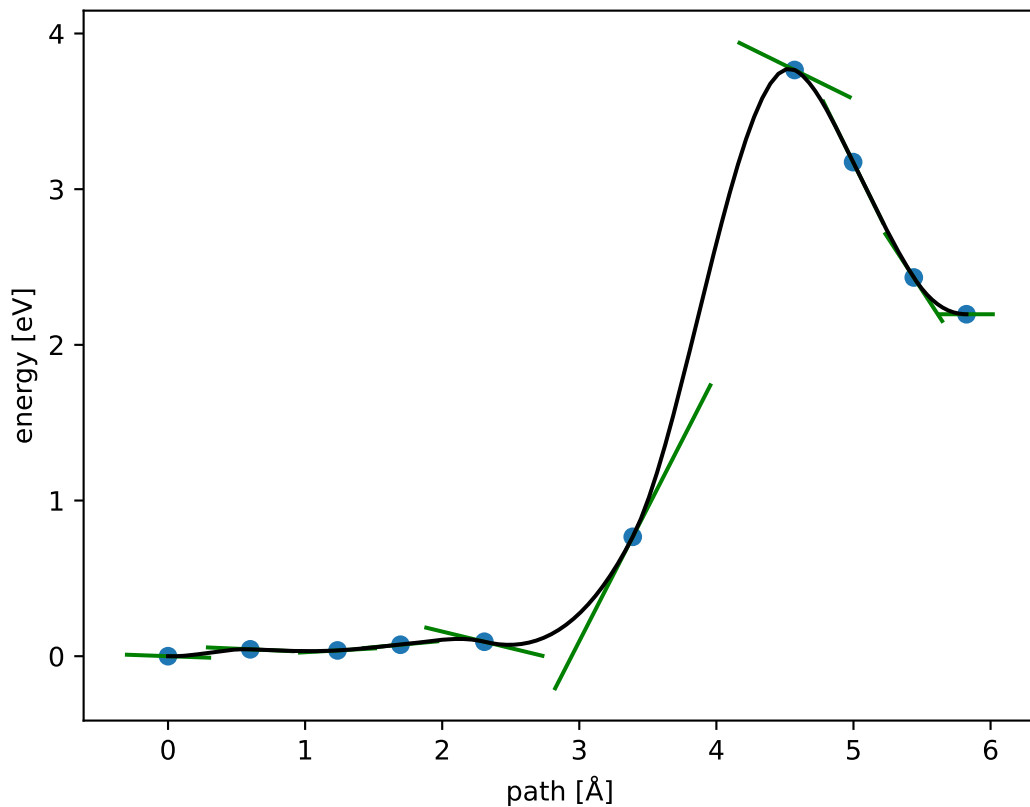
$$E_f \approx 3.812 \text{ eV}; E_r \approx 1.616 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



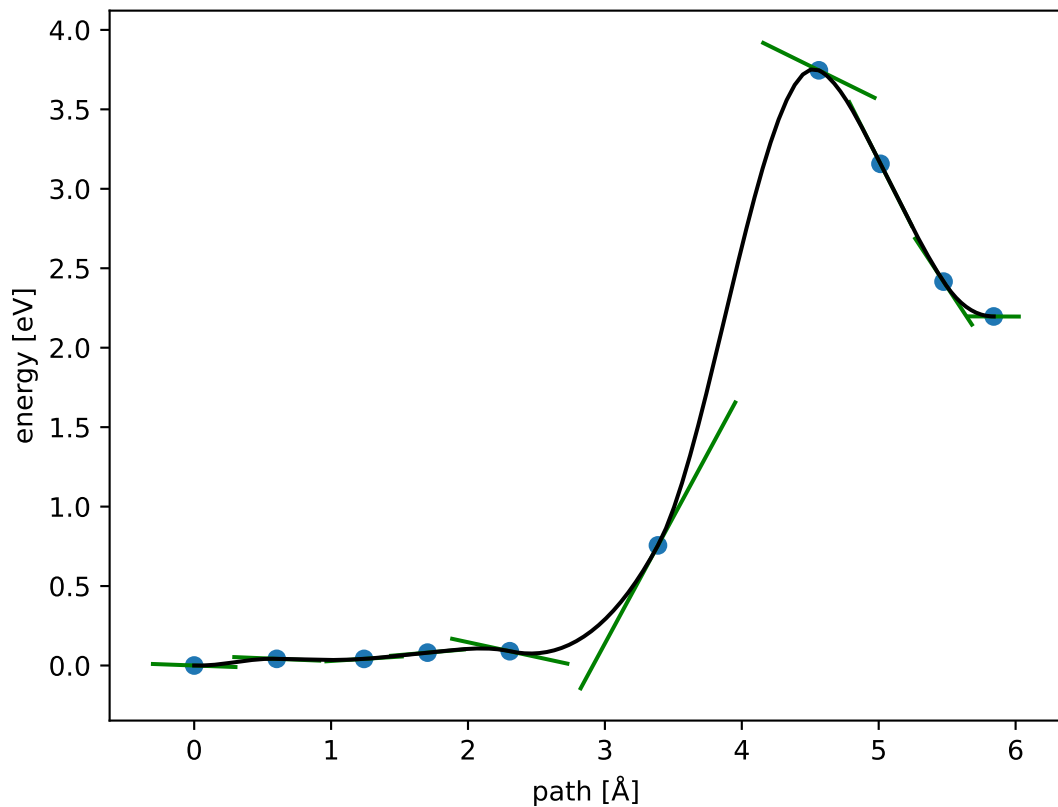
$$E_f \approx 3.788 \text{ eV}; E_r \approx 1.592 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



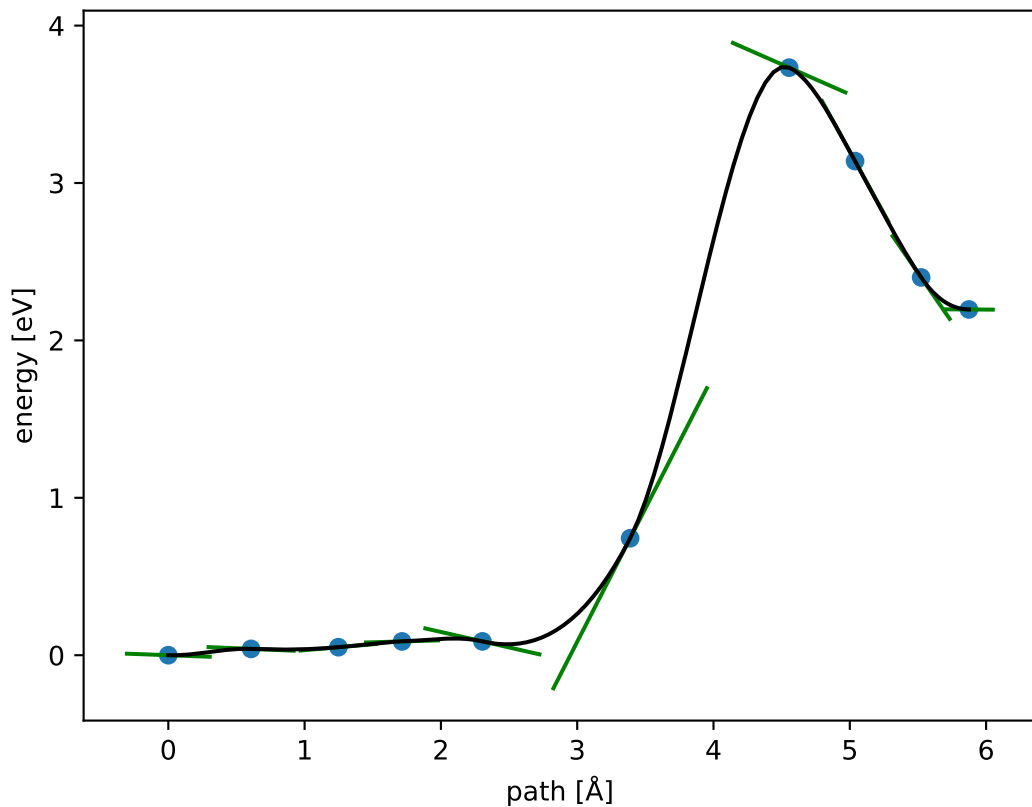
$$E_f \approx 3.766 \text{ eV}; E_r \approx 1.569 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



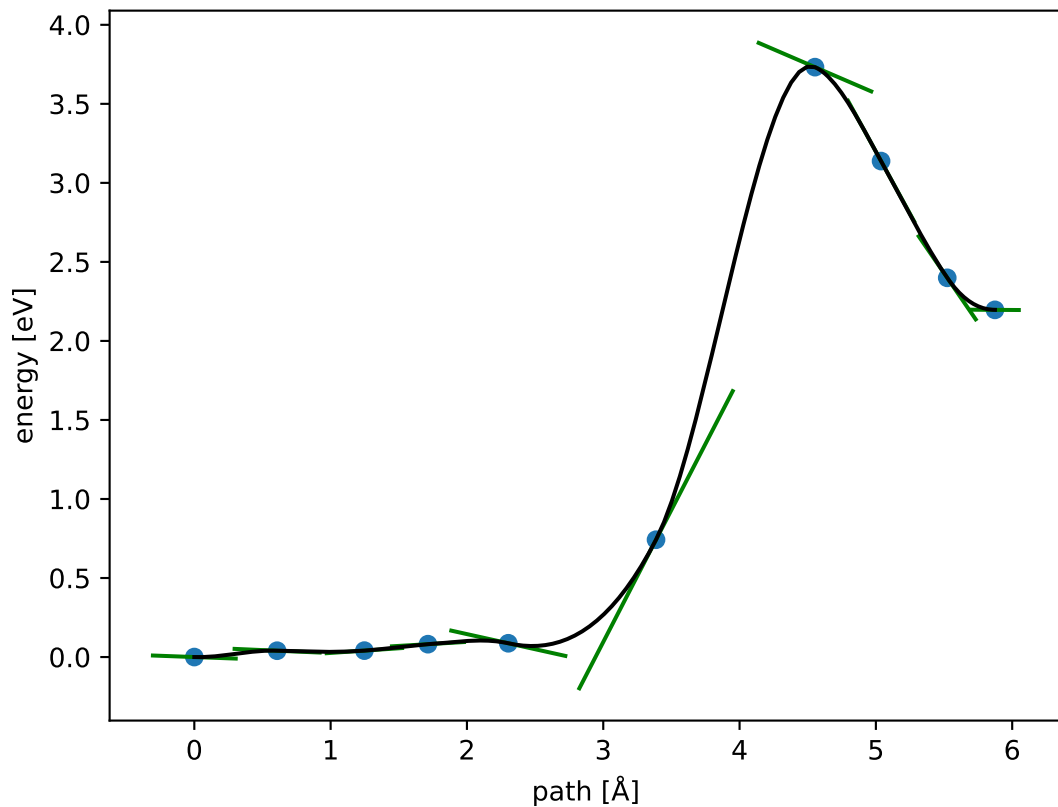
$$E_f \approx 3.746 \text{ eV}; E_r \approx 1.549 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



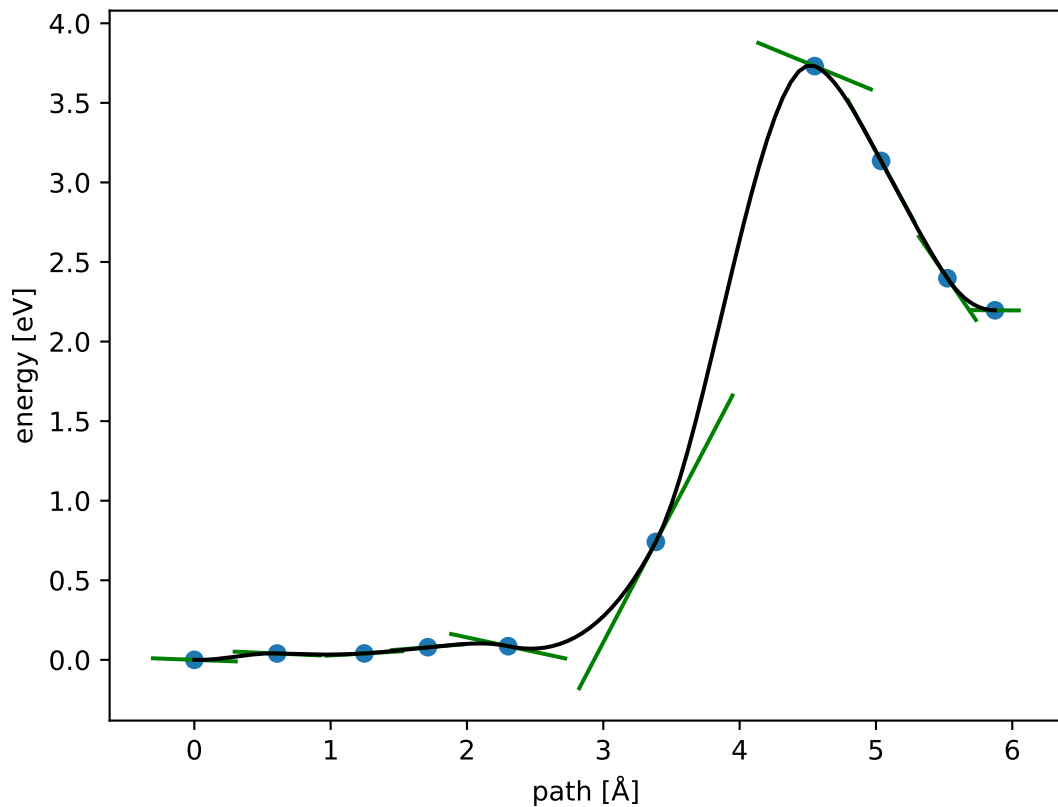
$$E_f \approx 3.733 \text{ eV}; E_r \approx 1.536 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



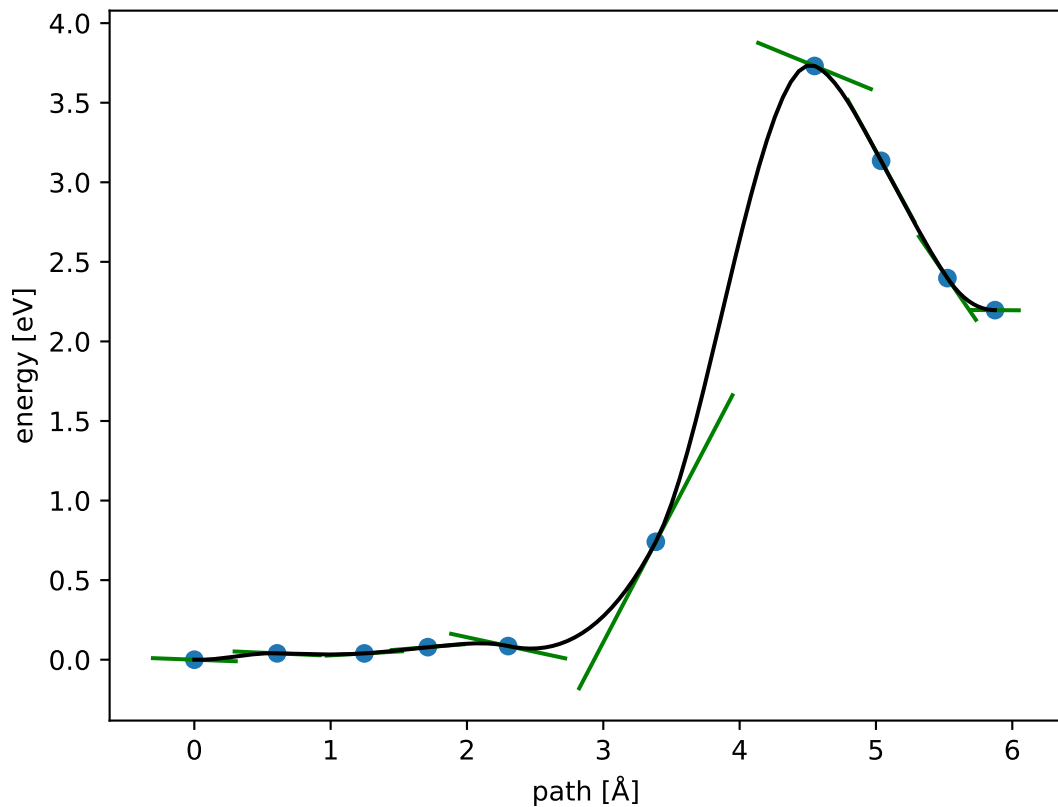
$$E_f \approx 3.732 \text{ eV}; E_r \approx 1.536 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



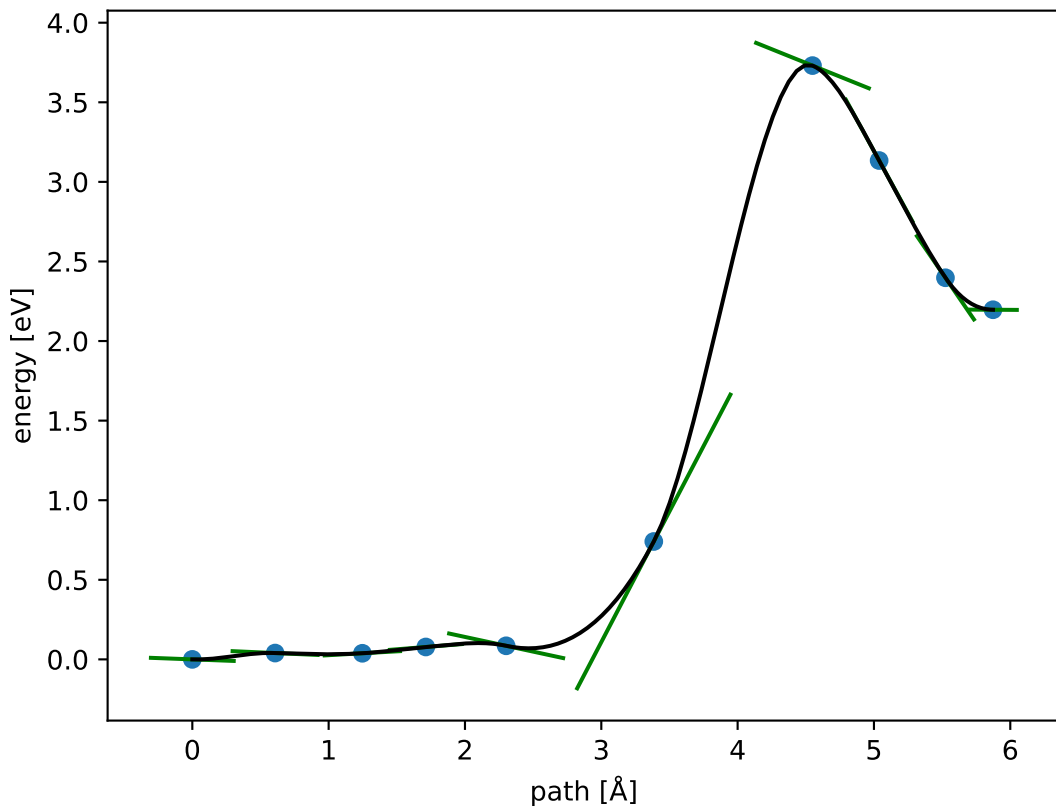
$$E_f \approx 3.731 \text{ eV}; E_r \approx 1.534 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



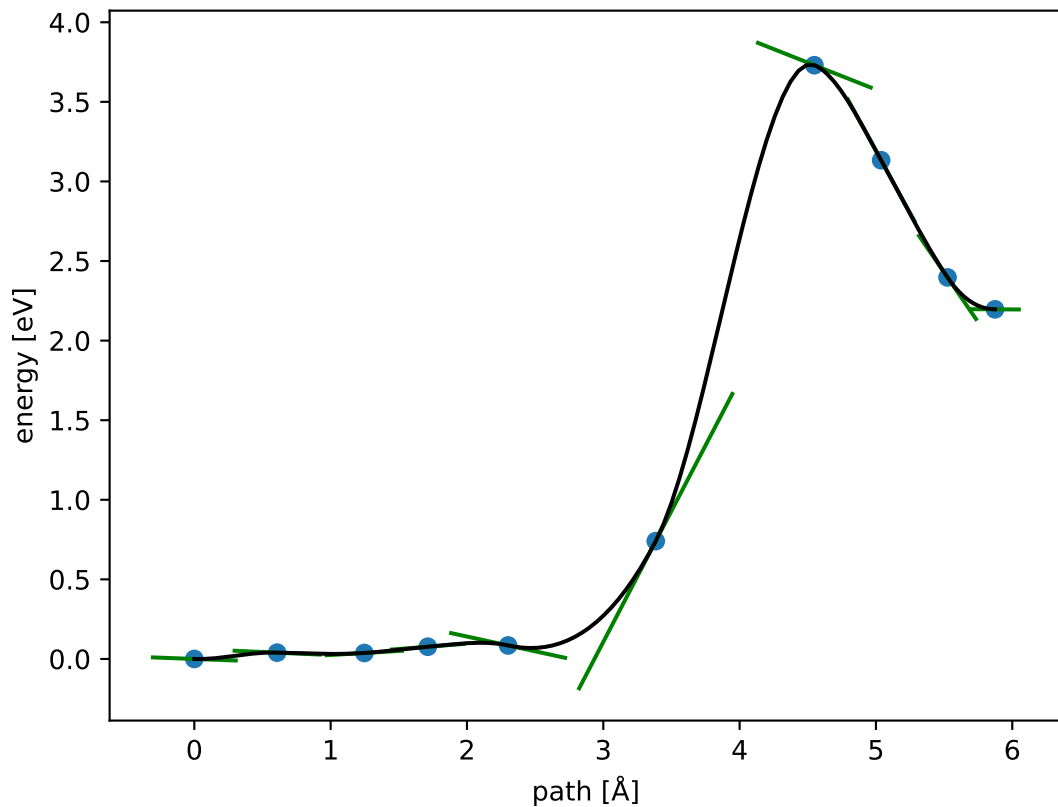
$$E_f \approx 3.731 \text{ eV}; E_r \approx 1.534 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



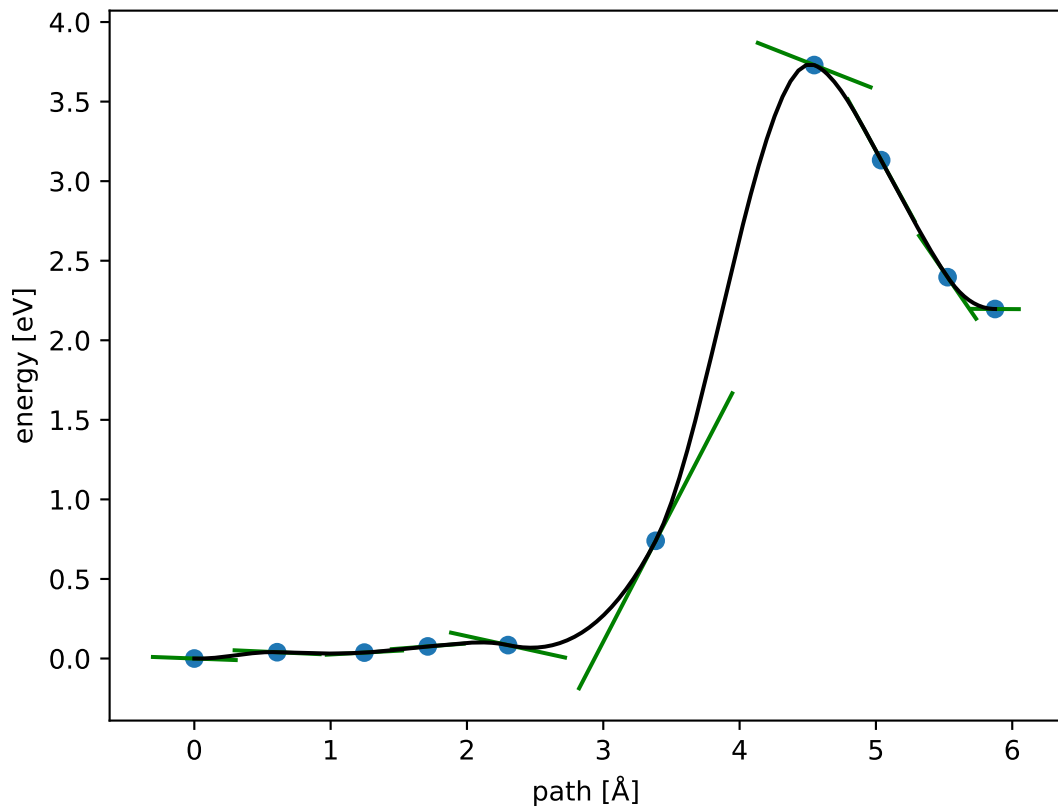
$$E_f \approx 3.731 \text{ eV}; E_r \approx 1.534 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



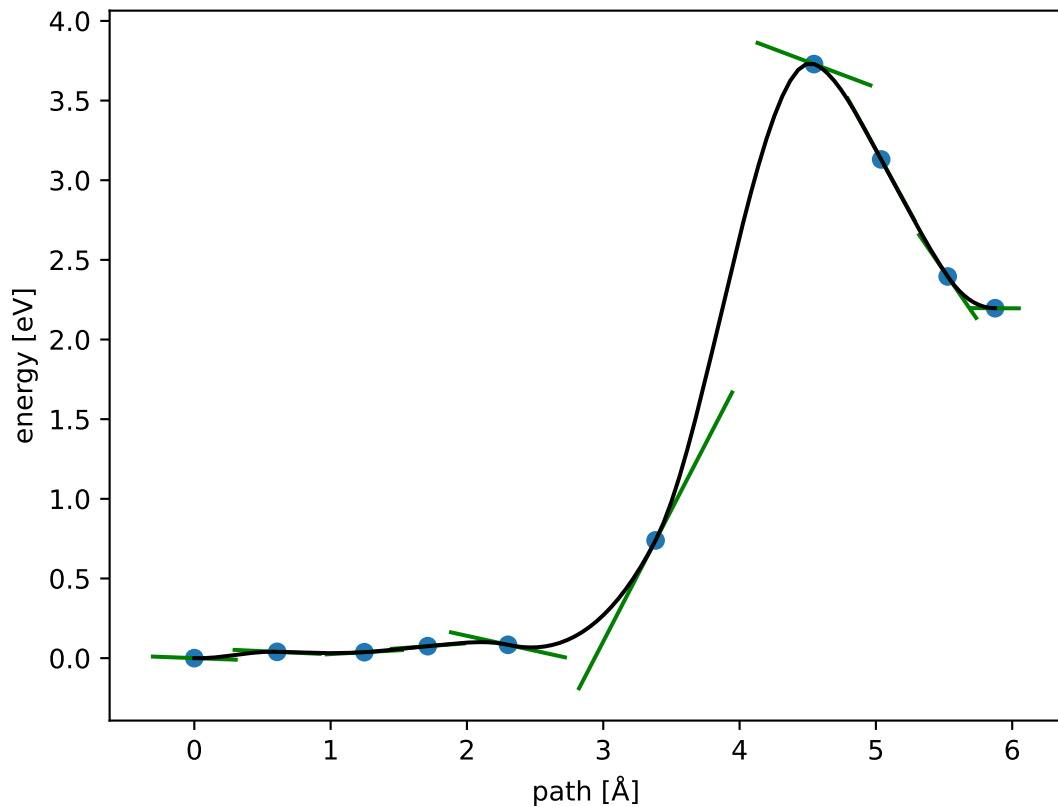
$$E_f \approx 3.730 \text{ eV}; E_r \approx 1.534 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



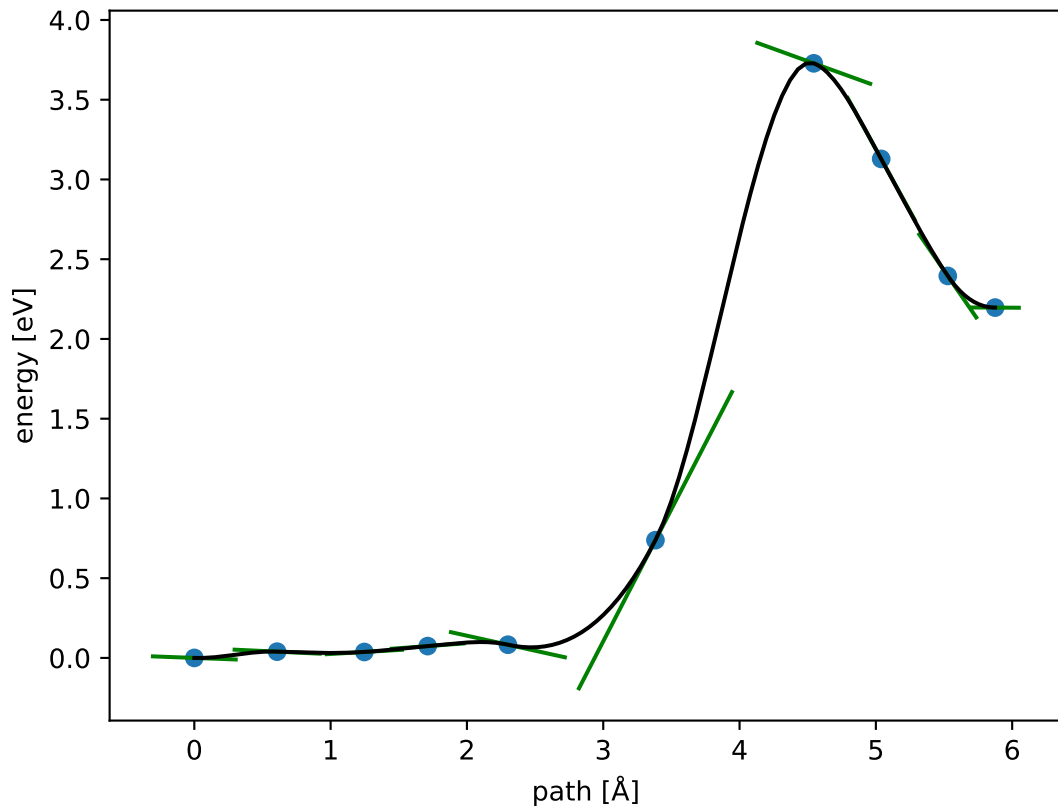
$$E_f \approx 3.730 \text{ eV}; E_r \approx 1.533 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



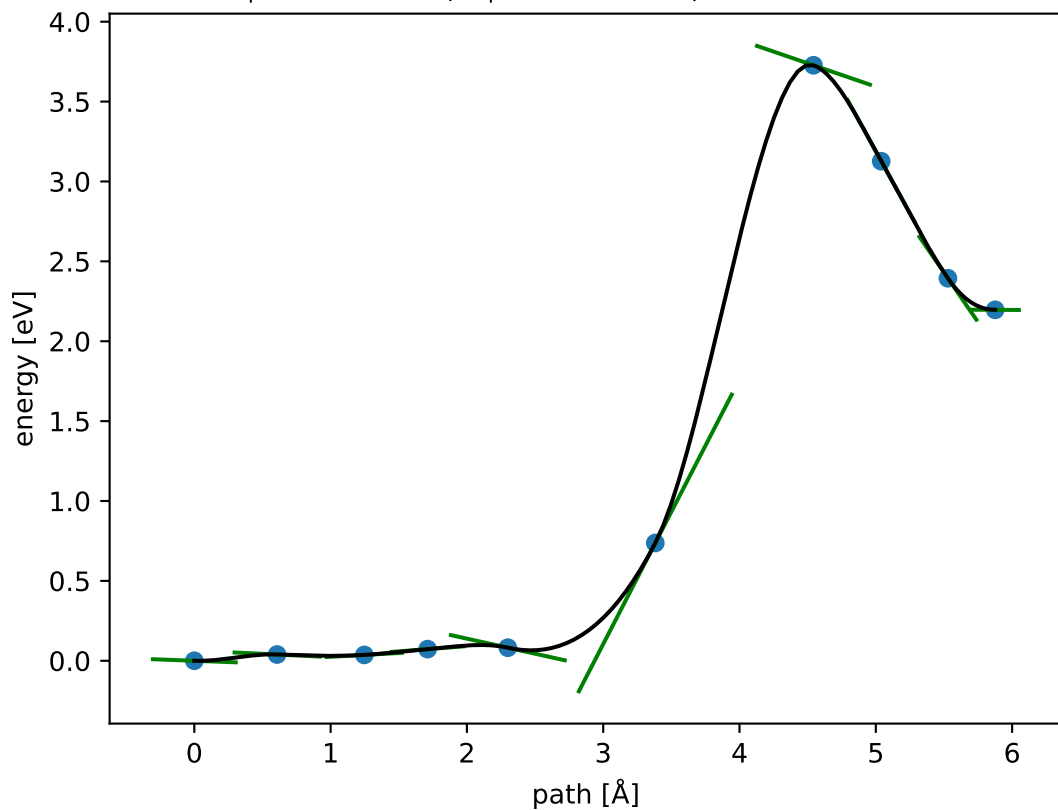
$$E_f \approx 3.729 \text{ eV}; E_r \approx 1.532 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



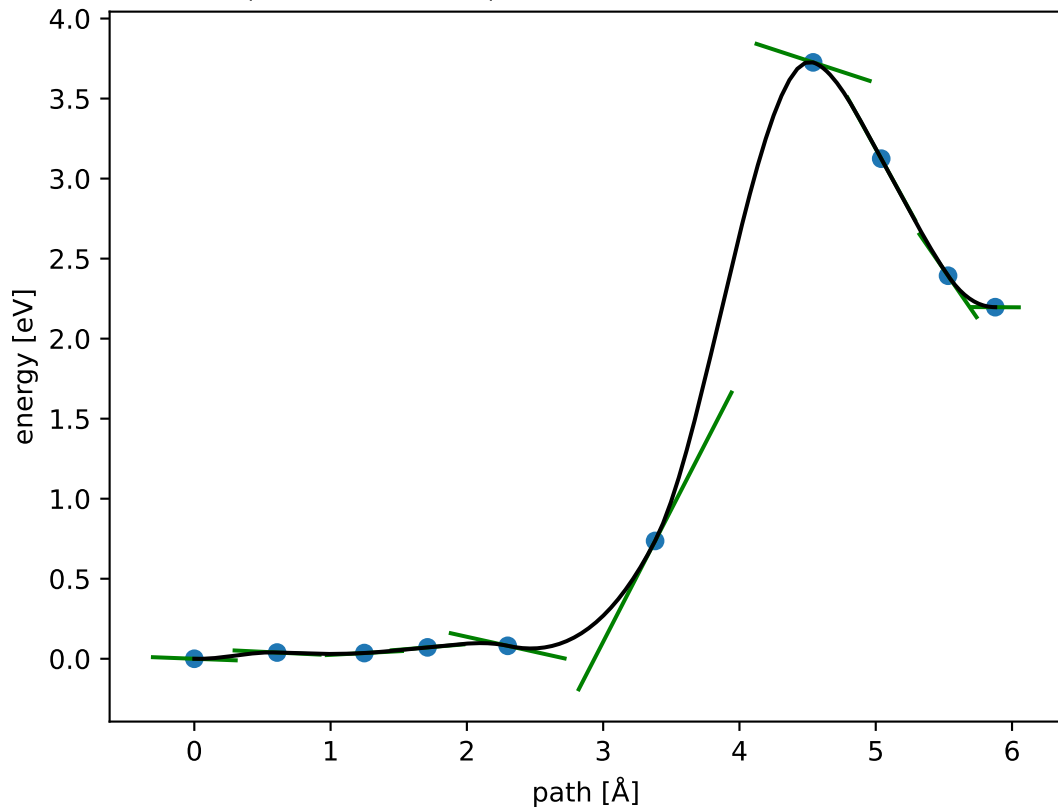
$$E_f \approx 3.728 \text{ eV}; E_r \approx 1.532 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



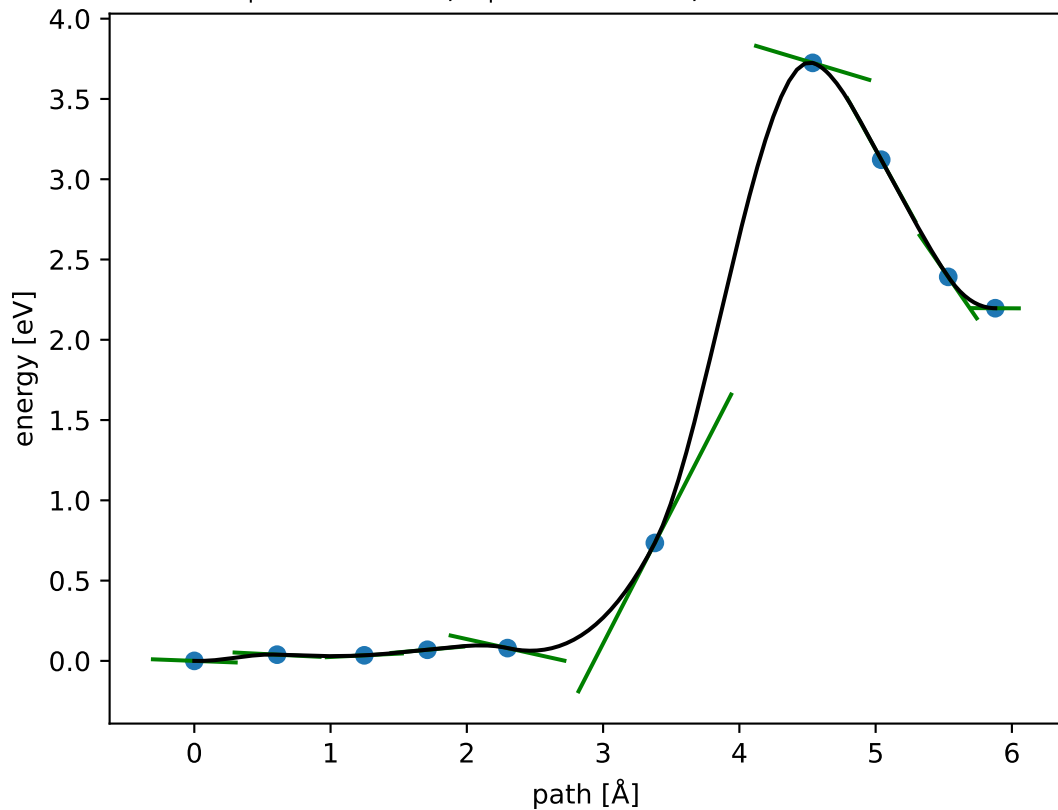
$$E_f \approx 3.727 \text{ eV}; E_r \approx 1.531 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



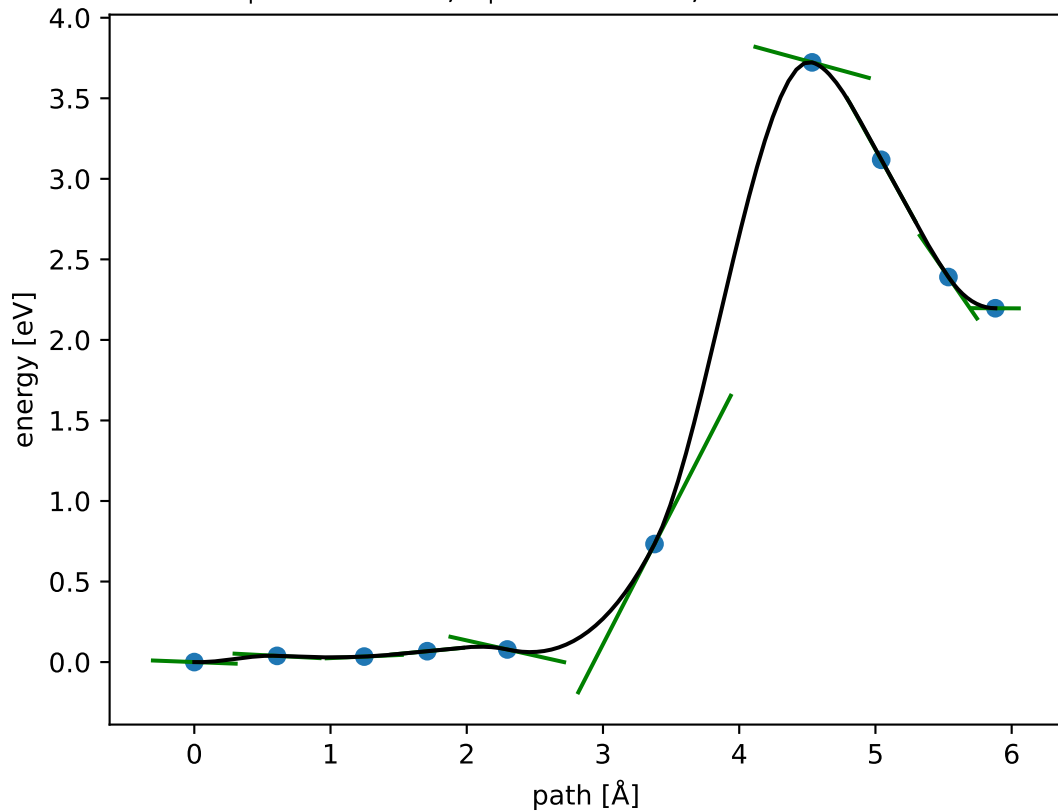
$$E_f \approx 3.726 \text{ eV}; E_r \approx 1.530 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



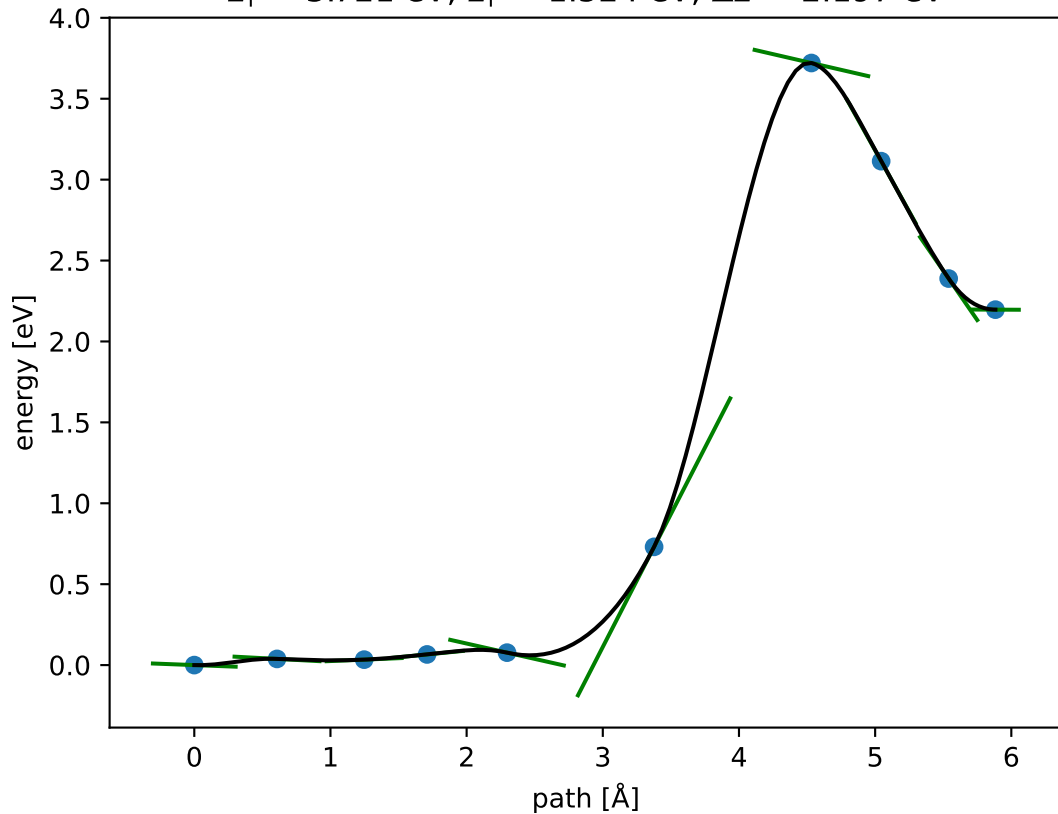
$$E_f \approx 3.725 \text{ eV}; E_r \approx 1.528 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



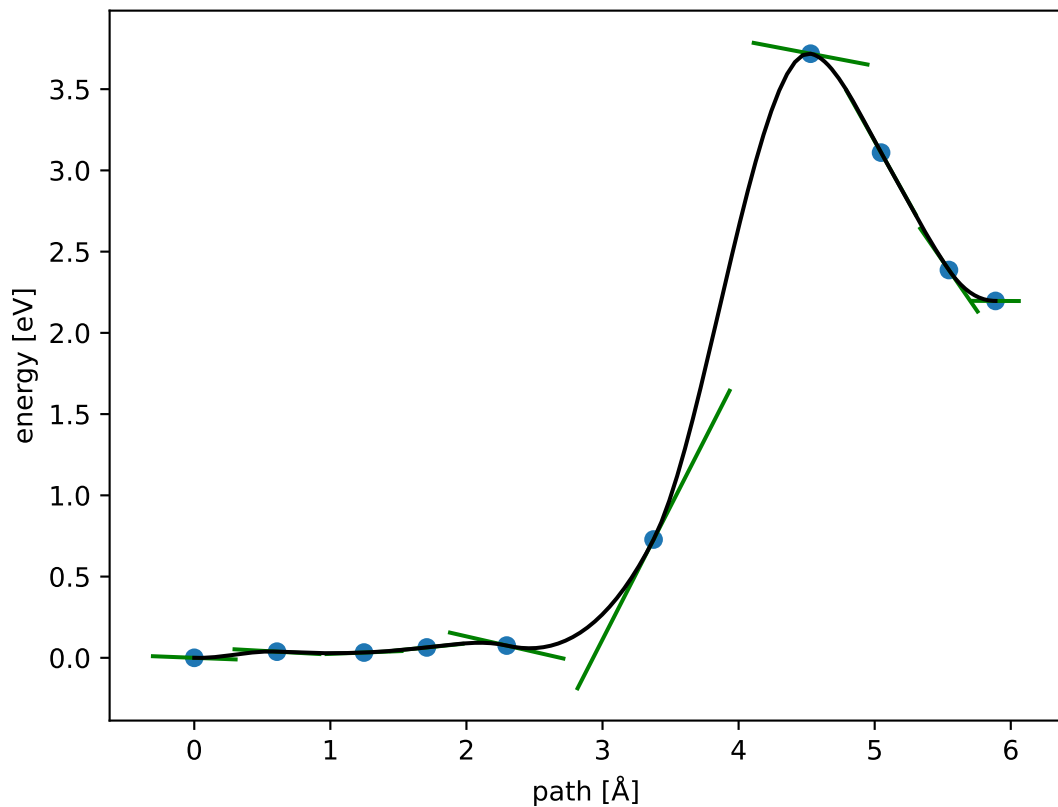
$$E_f \approx 3.723 \text{ eV}; E_r \approx 1.526 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



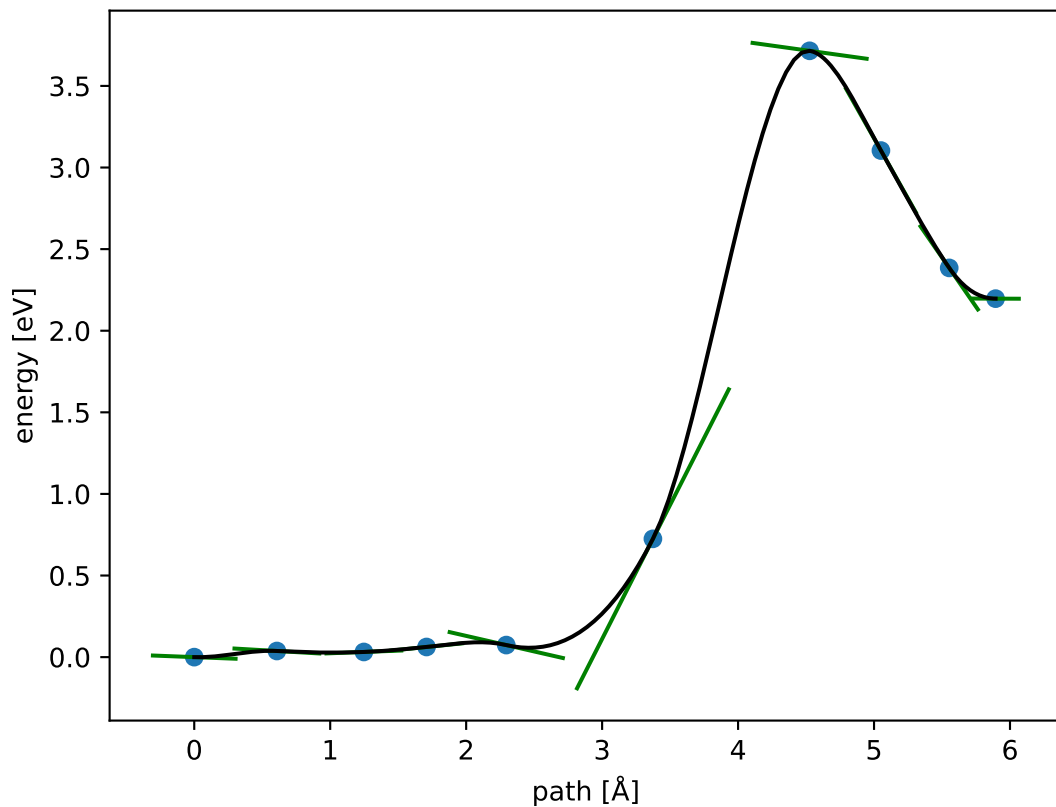
$$E_f \approx 3.721 \text{ eV}; E_r \approx 1.524 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



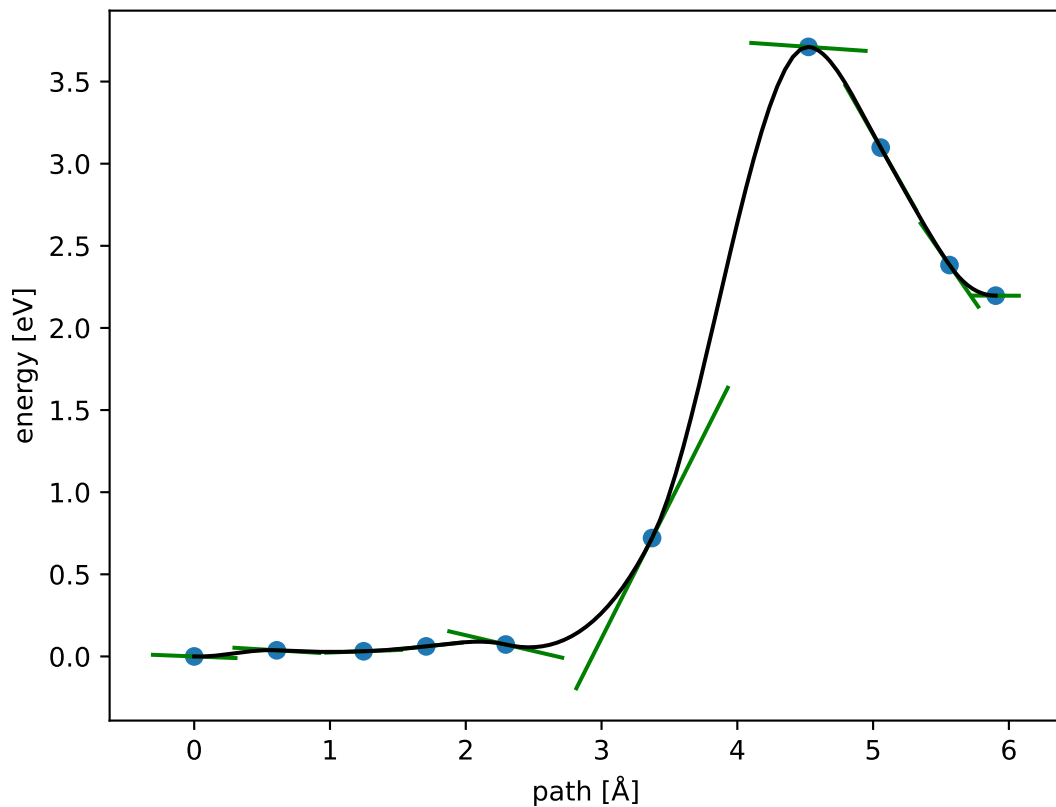
$$E_f \approx 3.718 \text{ eV}; E_r \approx 1.522 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



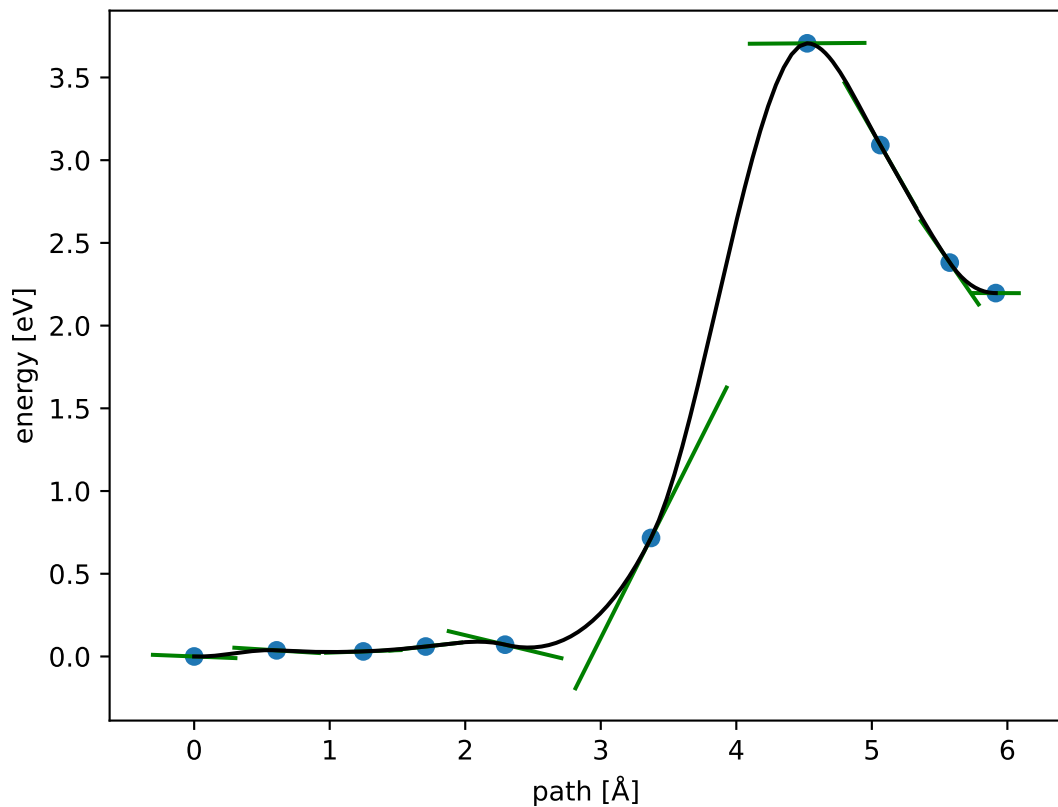
$$E_f \approx 3.715 \text{ eV}; E_r \approx 1.518 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



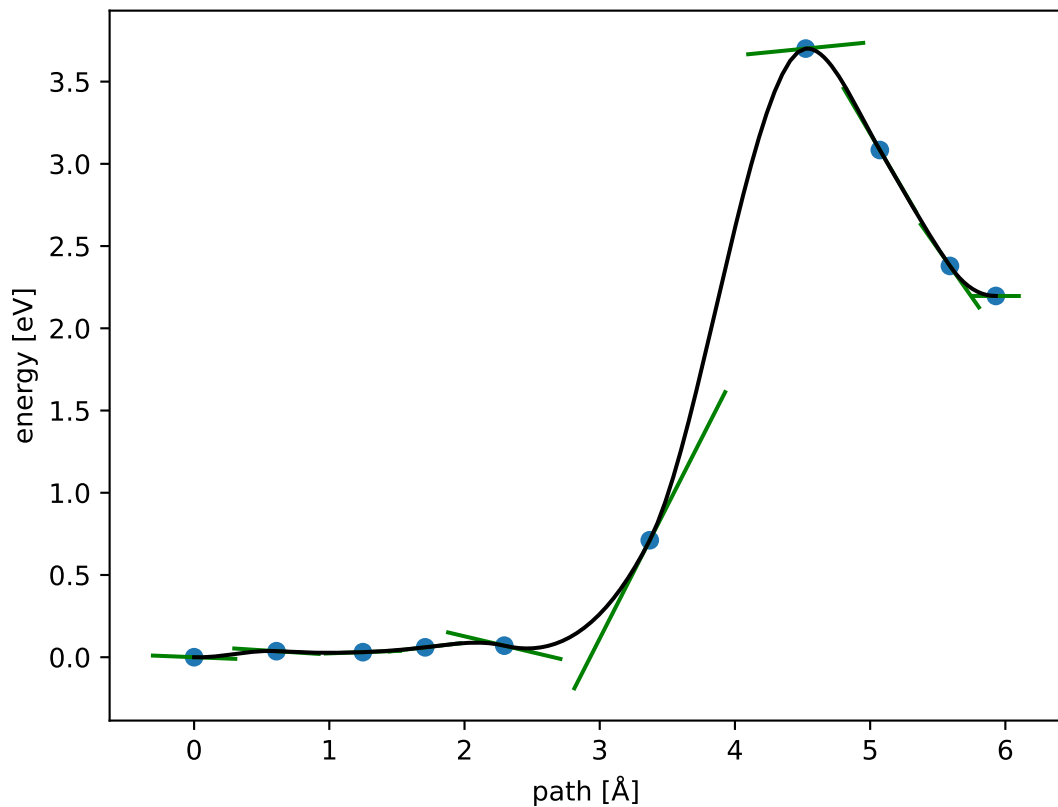
$$E_f \approx 3.711 \text{ eV}; E_r \approx 1.515 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



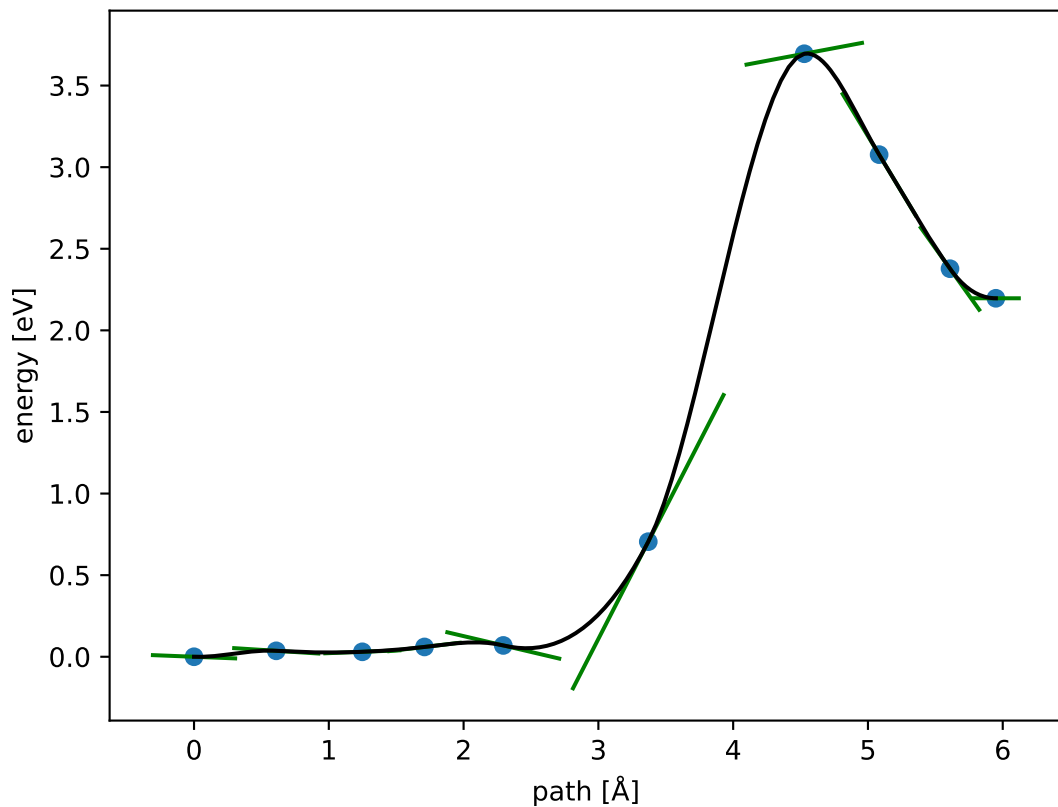
$$E_f \approx 3.706 \text{ eV}; E_r \approx 1.510 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



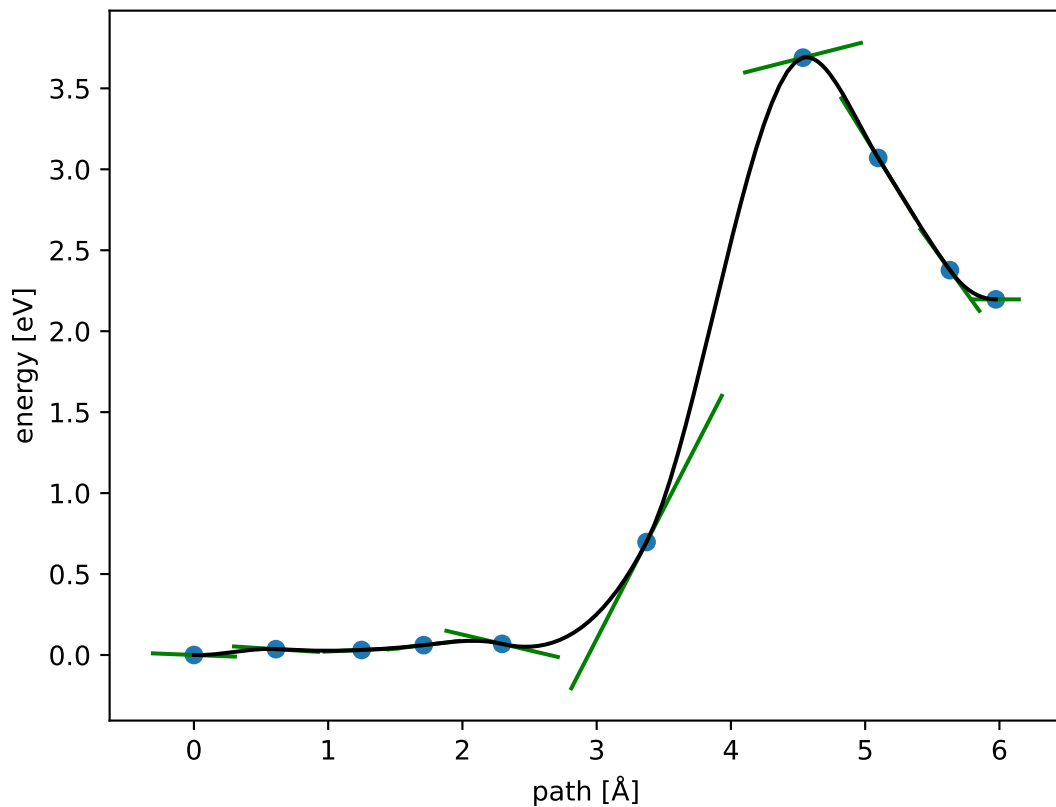
$$E_f \approx 3.701 \text{ eV}; E_r \approx 1.504 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



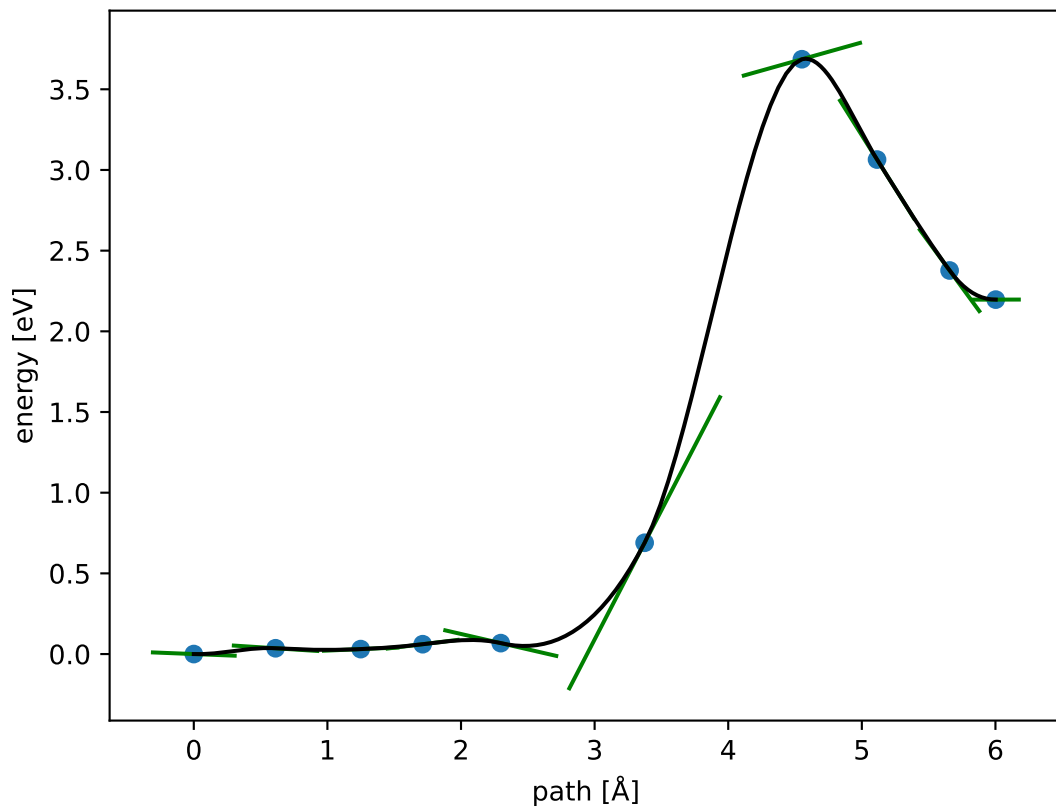
$$E_f \approx 3.695 \text{ eV}; E_r \approx 1.498 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



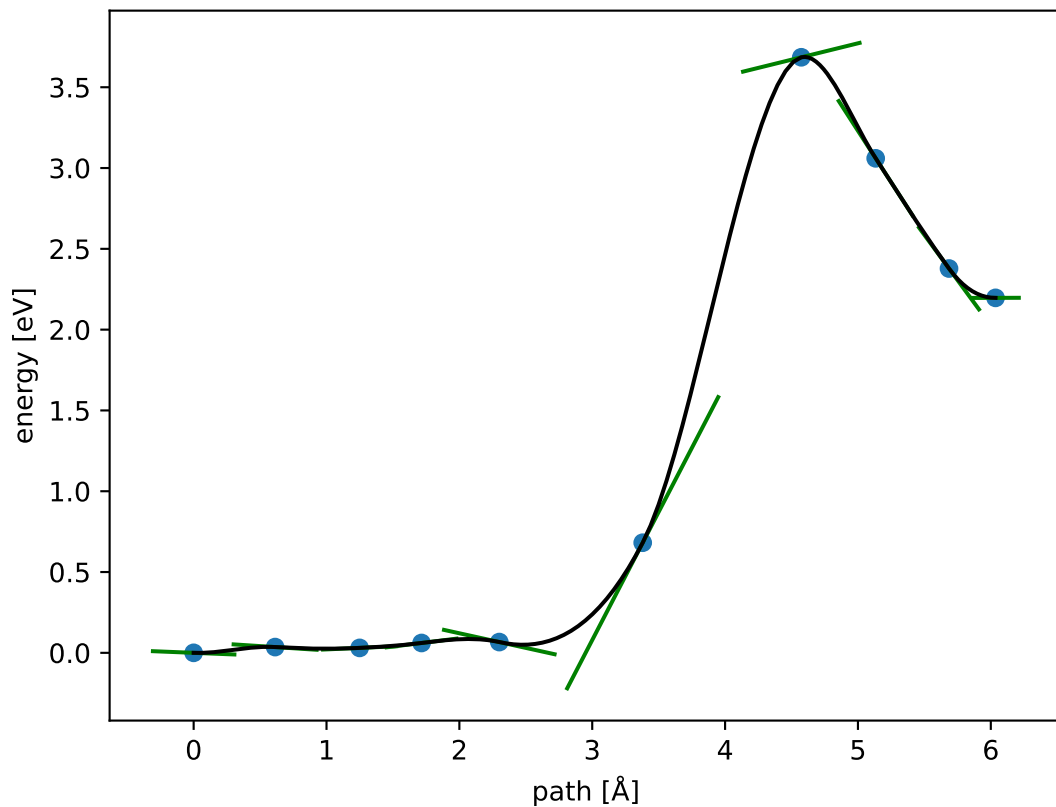
$$E_f \approx 3.690 \text{ eV}; E_r \approx 1.493 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



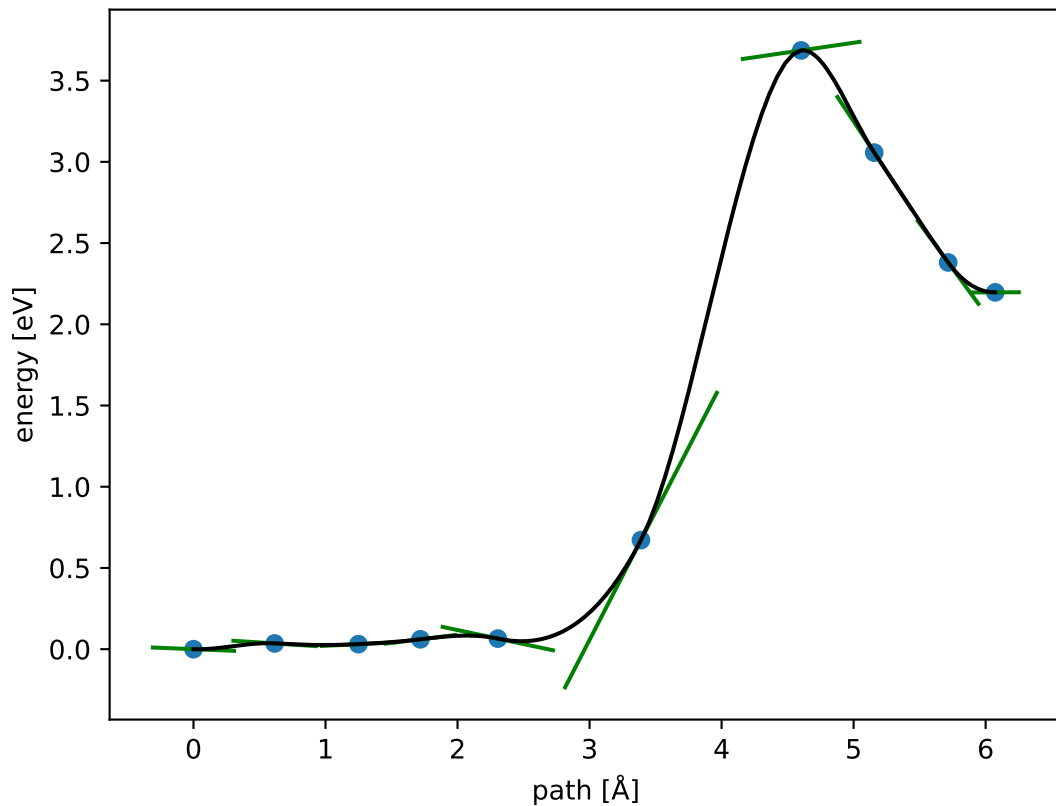
$$E_f \approx 3.686 \text{ eV}; E_r \approx 1.490 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



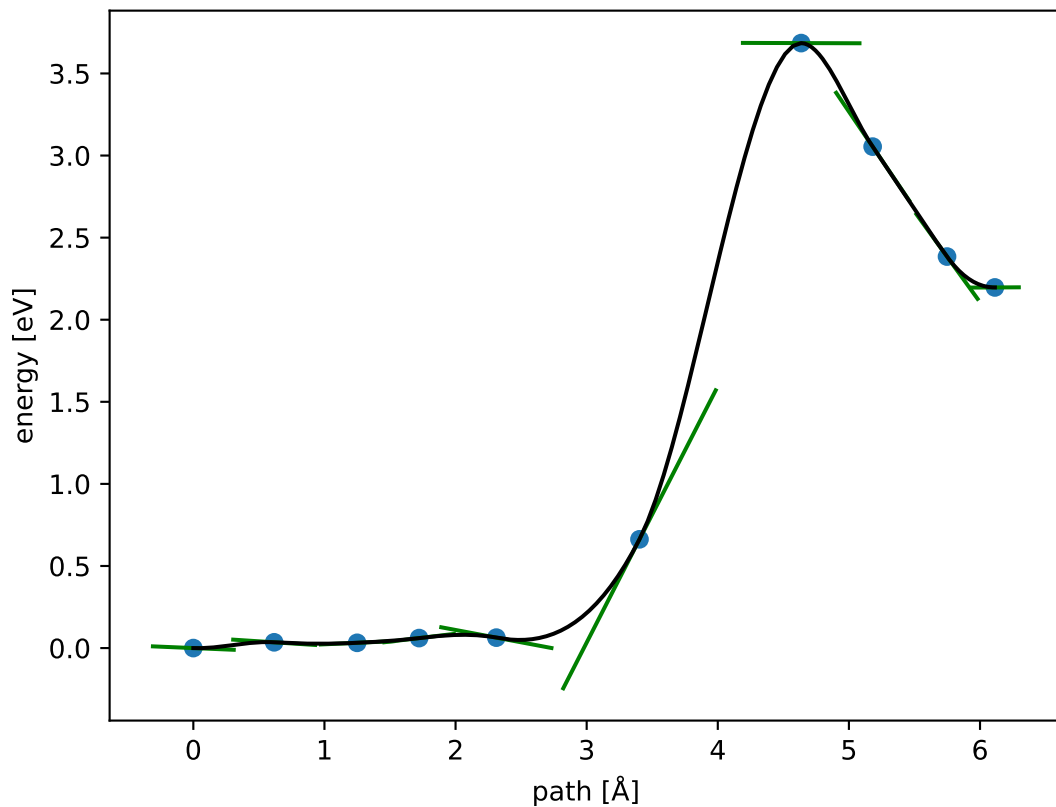
$$E_f \approx 3.685 \text{ eV}; E_r \approx 1.489 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



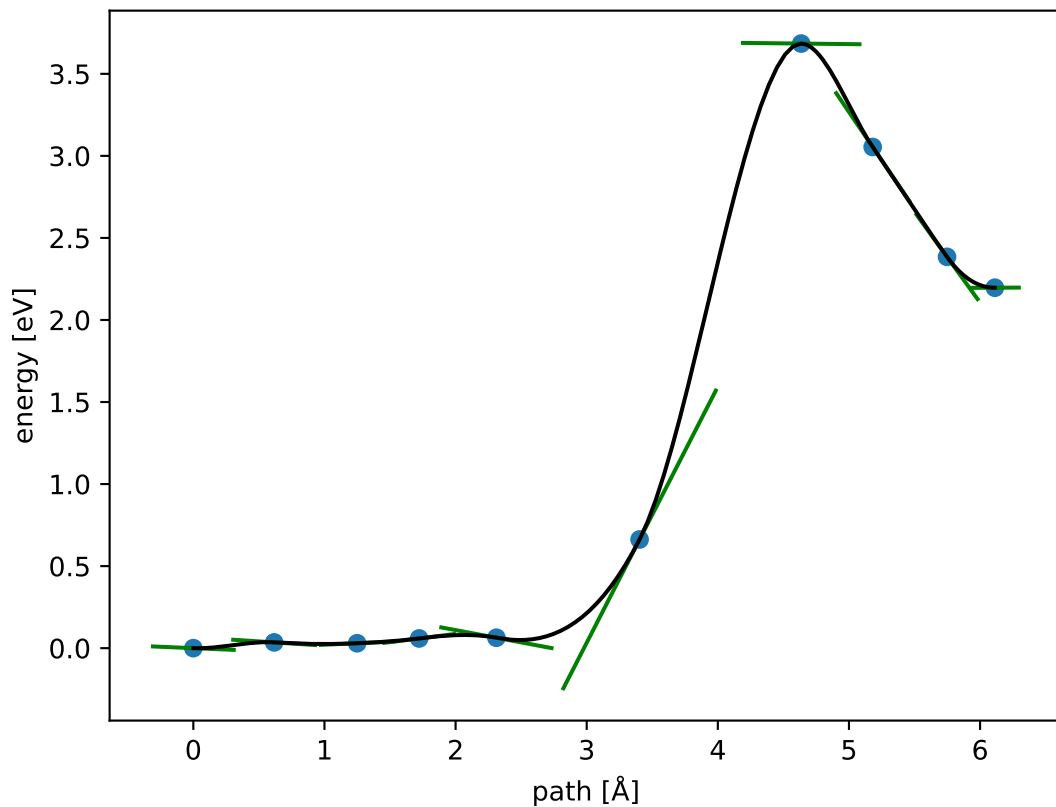
$$E_f \approx 3.686 \text{ eV}; E_r \approx 1.489 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



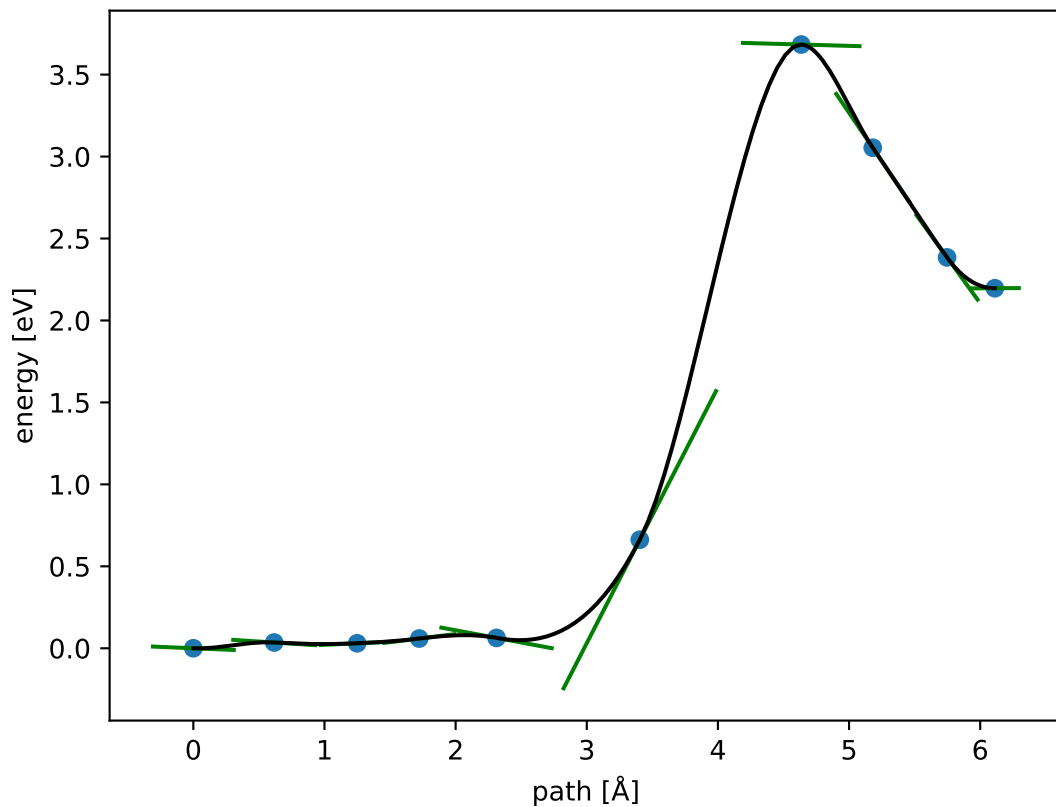
$$E_f \approx 3.685 \text{ eV}; E_r \approx 1.488 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



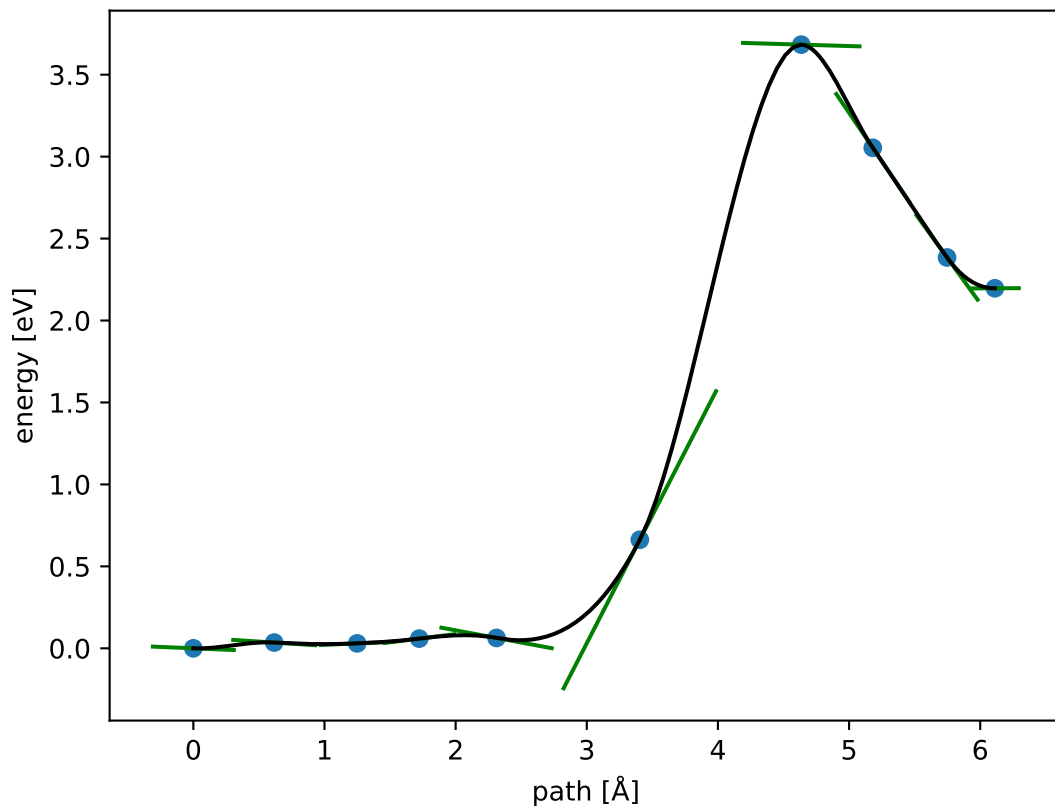
$$E_f \approx 3.684 \text{ eV}; E_r \approx 1.488 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



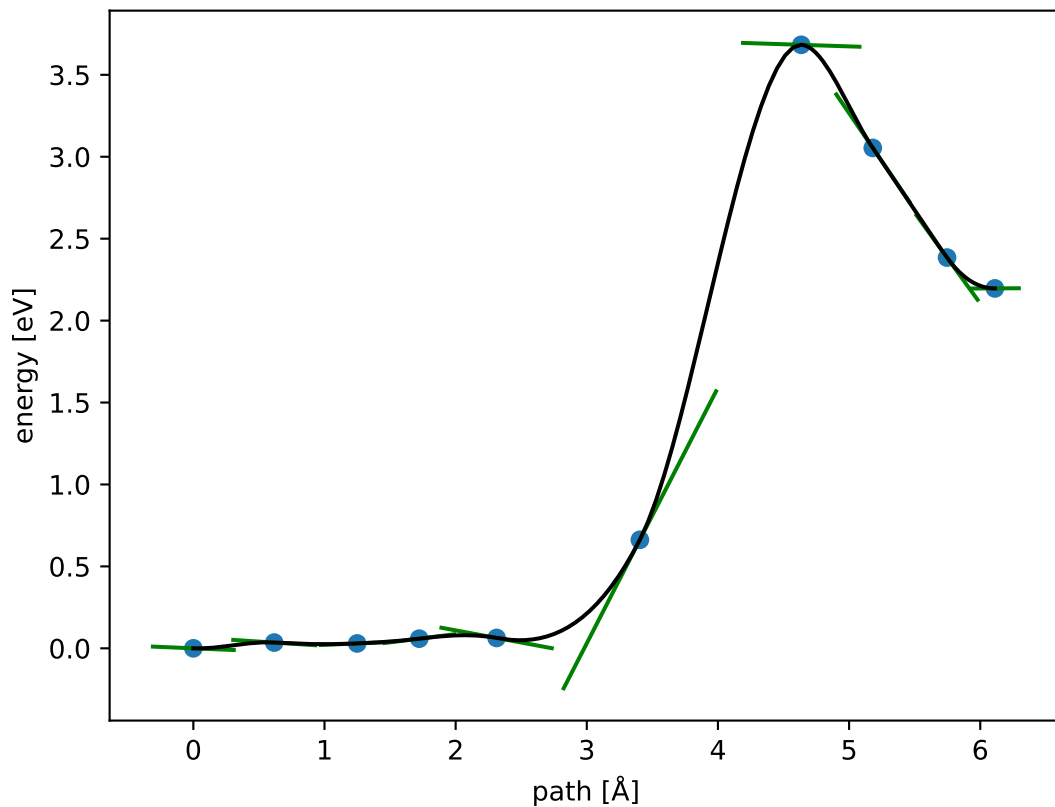
$$E_f \approx 3.683 \text{ eV}; E_r \approx 1.487 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



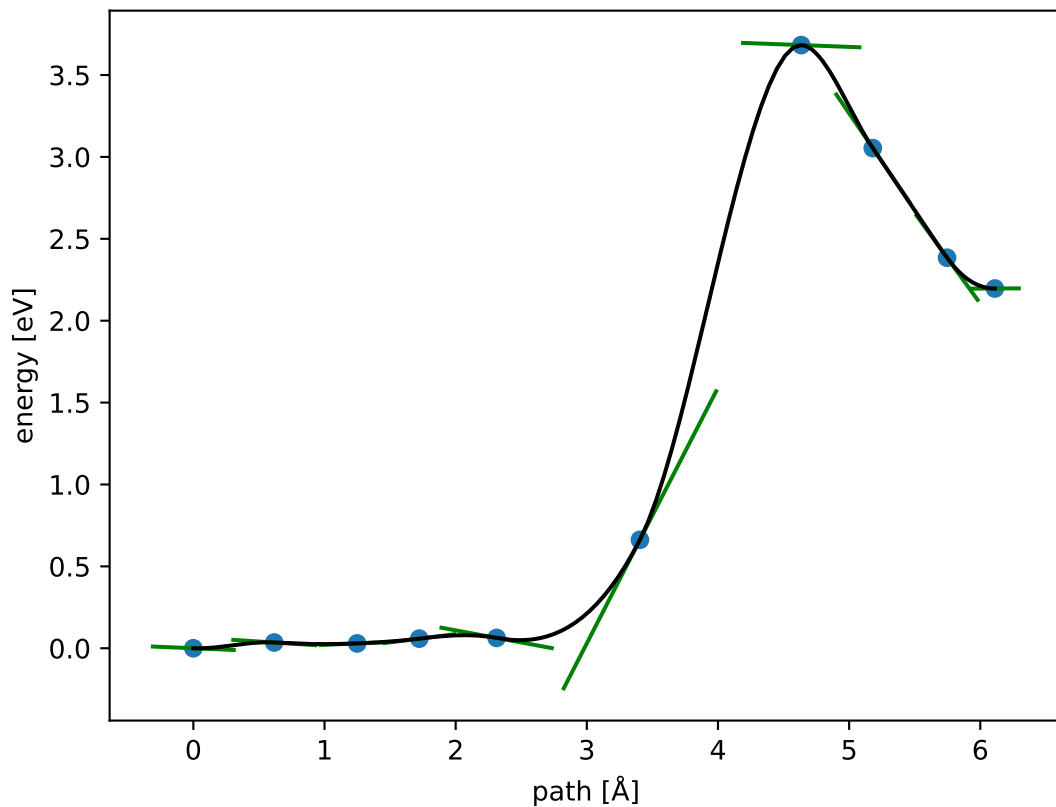
$$E_f \approx 3.683 \text{ eV}; E_r \approx 1.487 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



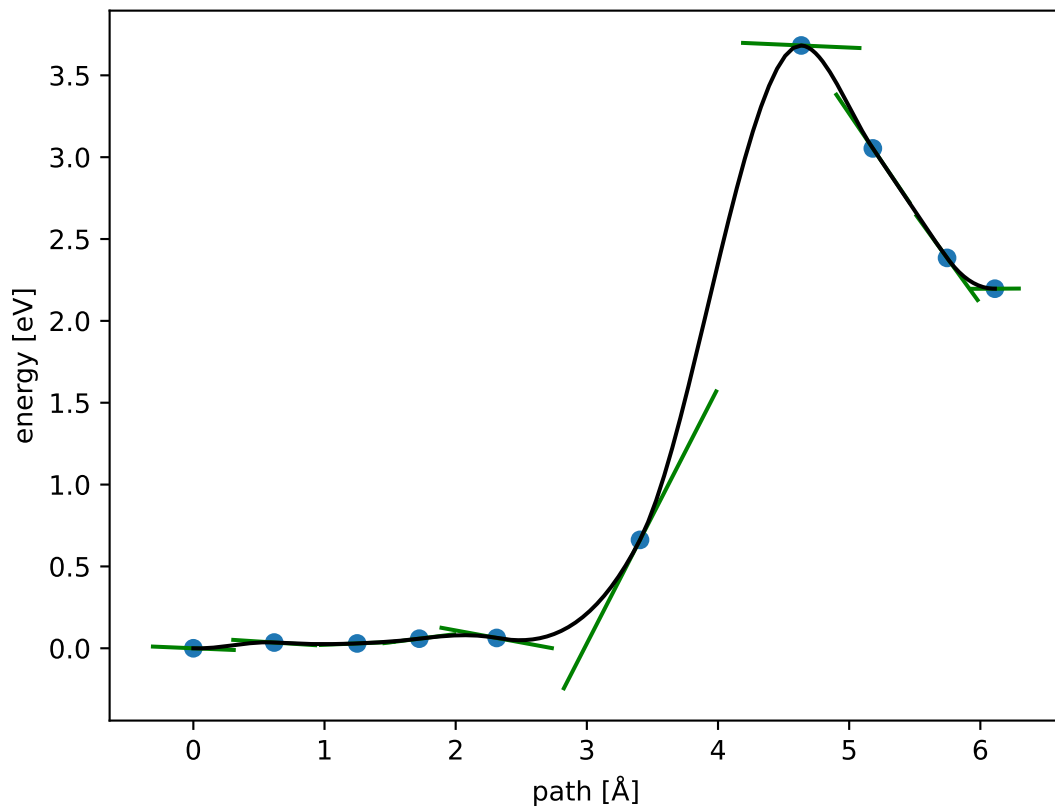
$$E_f \approx 3.683 \text{ eV}; E_r \approx 1.487 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



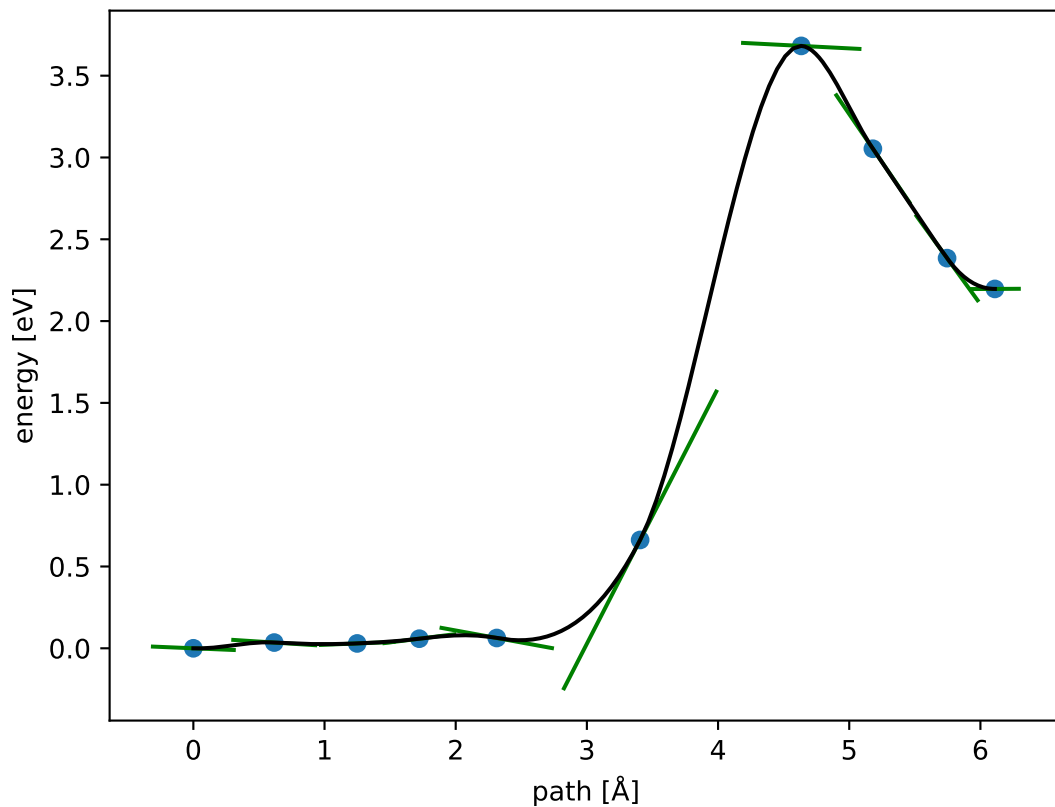
$$E_f \approx 3.683 \text{ eV}; E_r \approx 1.486 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



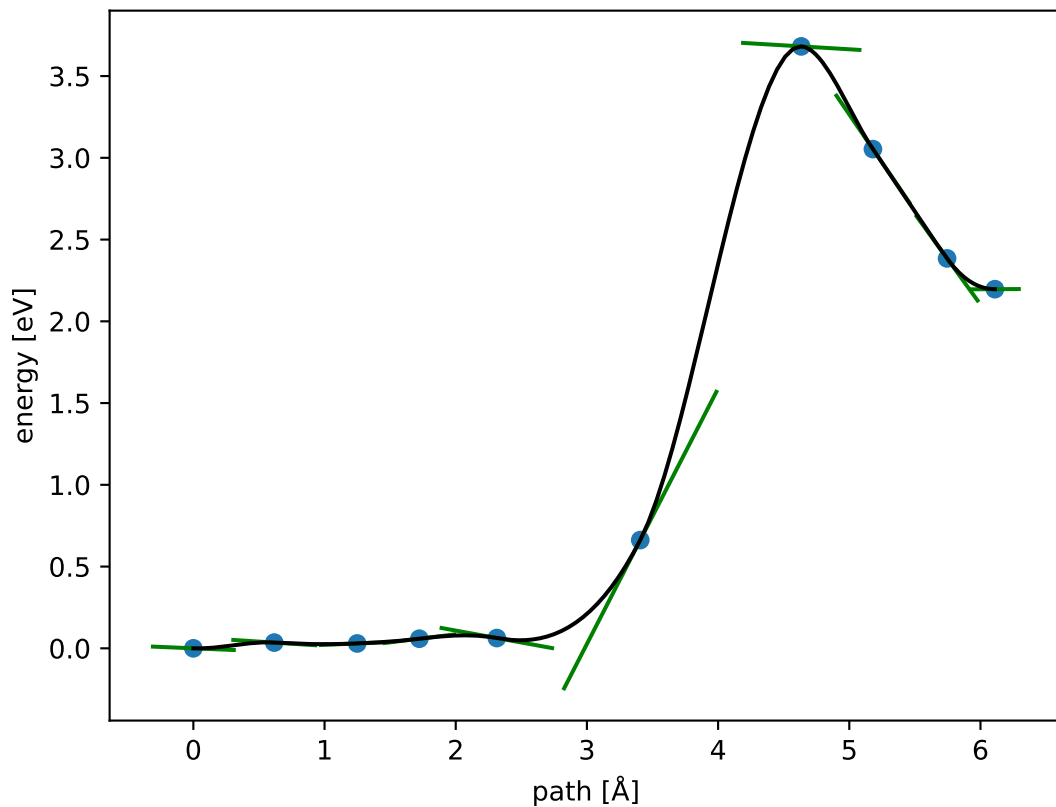
$$E_f \approx 3.682 \text{ eV}; E_r \approx 1.486 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



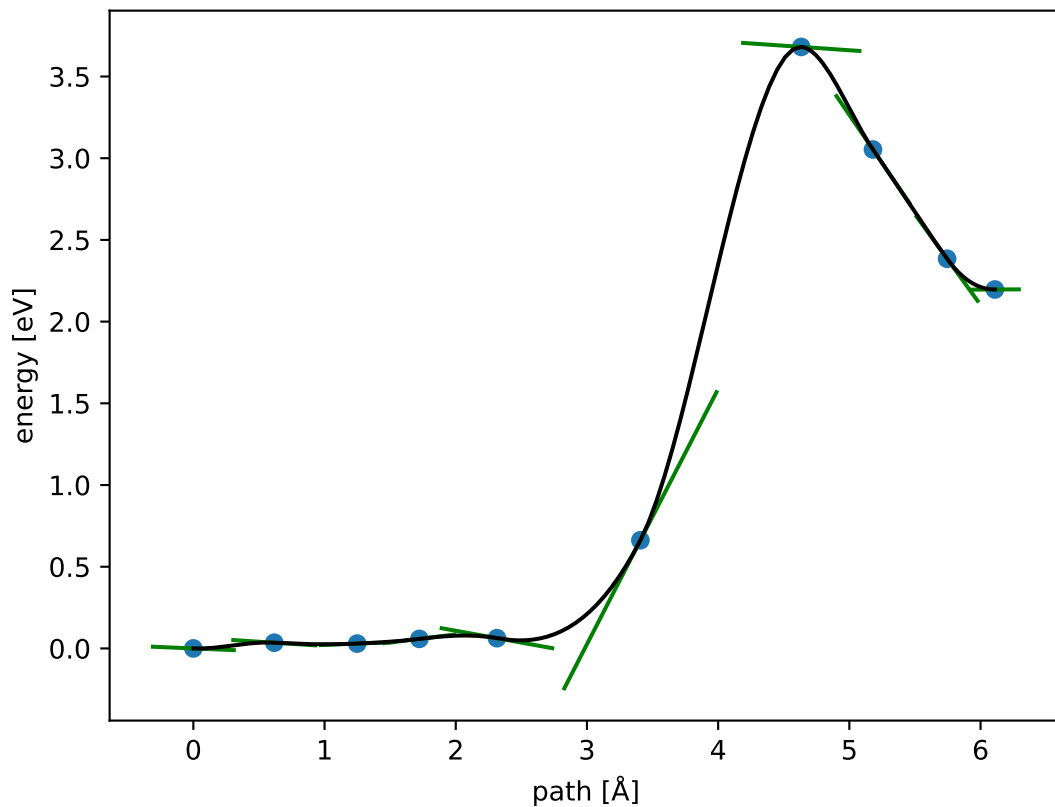
$$E_f \approx 3.682 \text{ eV}; E_r \approx 1.485 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



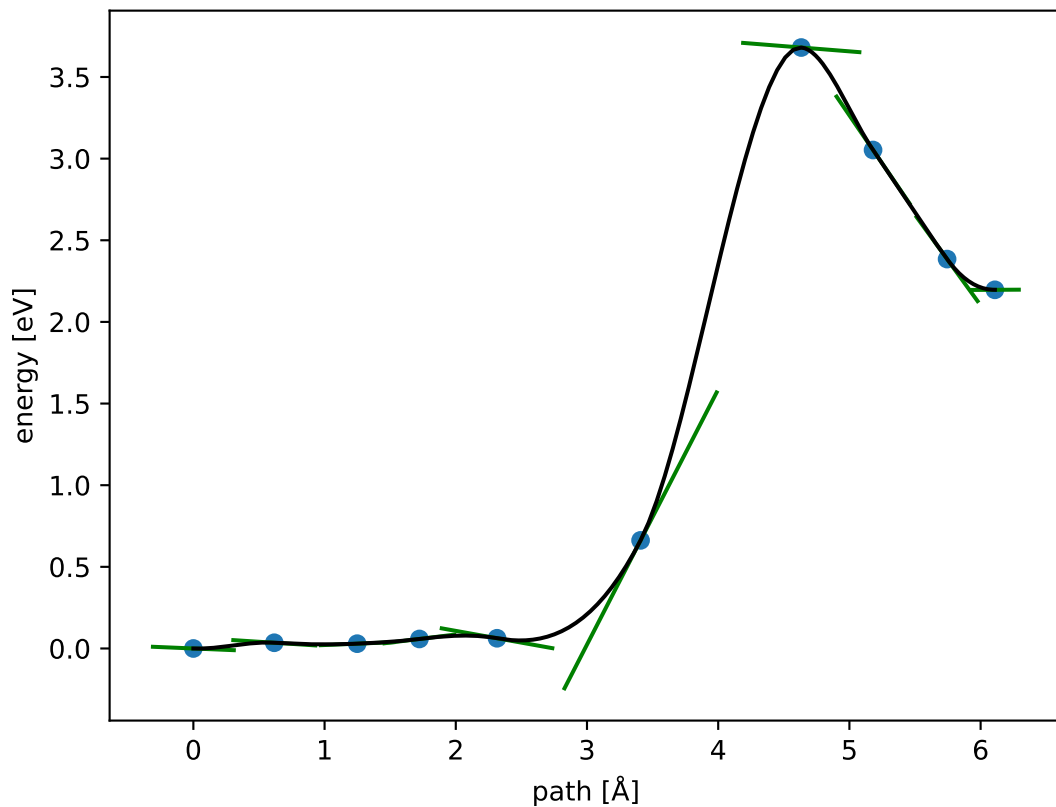
$$E_f \approx 3.681 \text{ eV}; E_r \approx 1.485 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



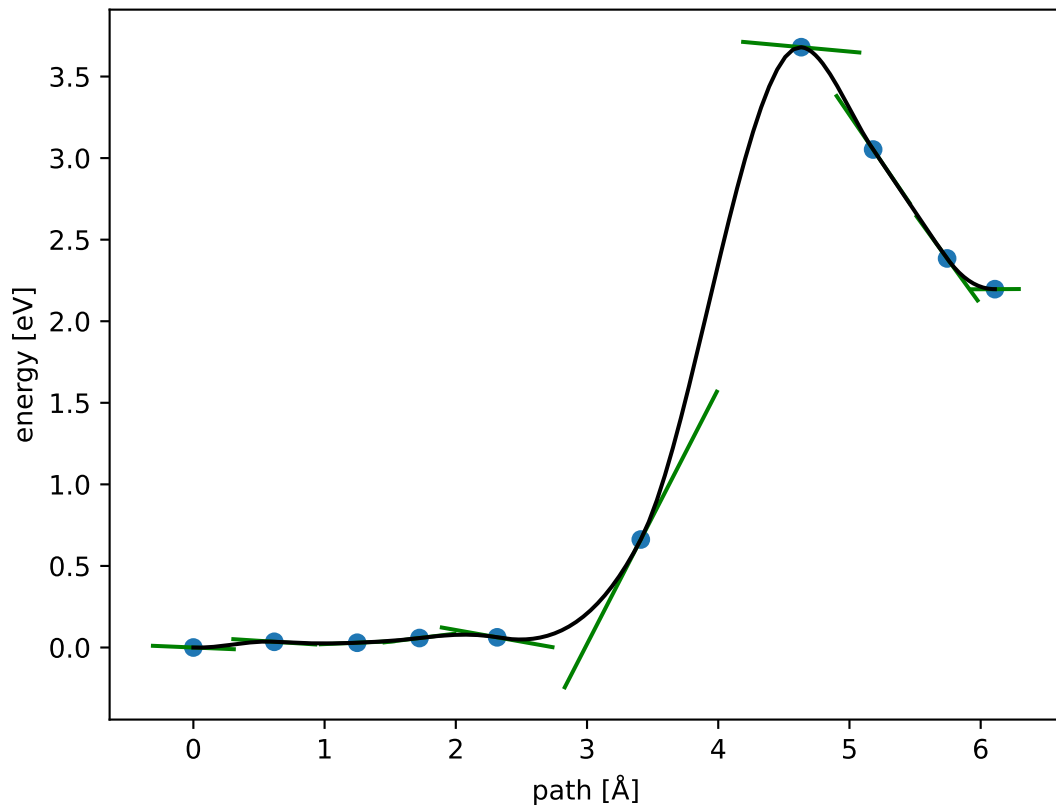
$$E_f \approx 3.681 \text{ eV}; E_r \approx 1.484 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



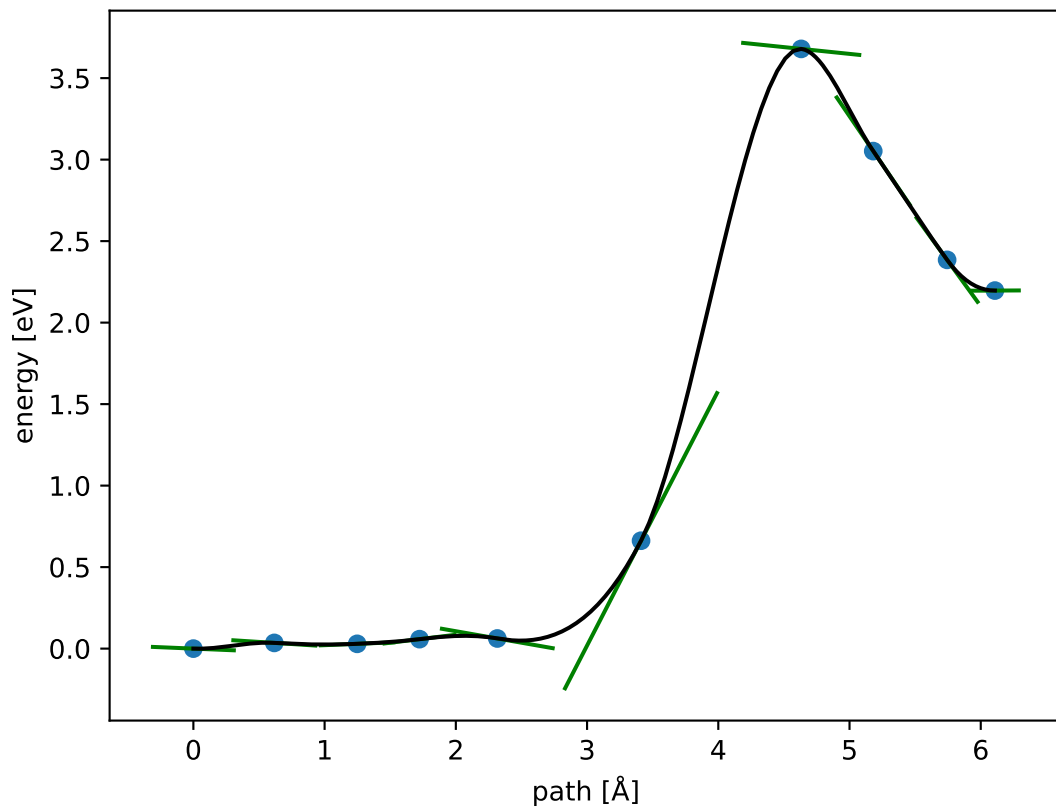
$$E_f \approx 3.680 \text{ eV}; E_r \approx 1.484 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



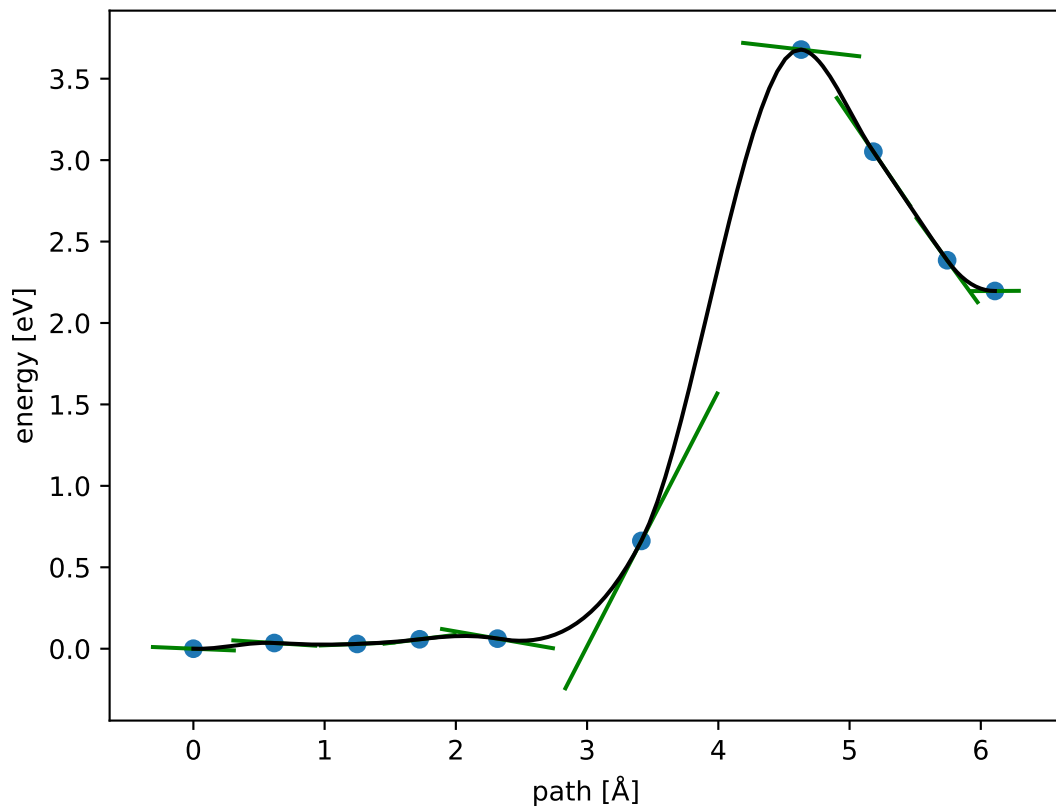
$$E_f \approx 3.680 \text{ eV}; E_r \approx 1.483 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



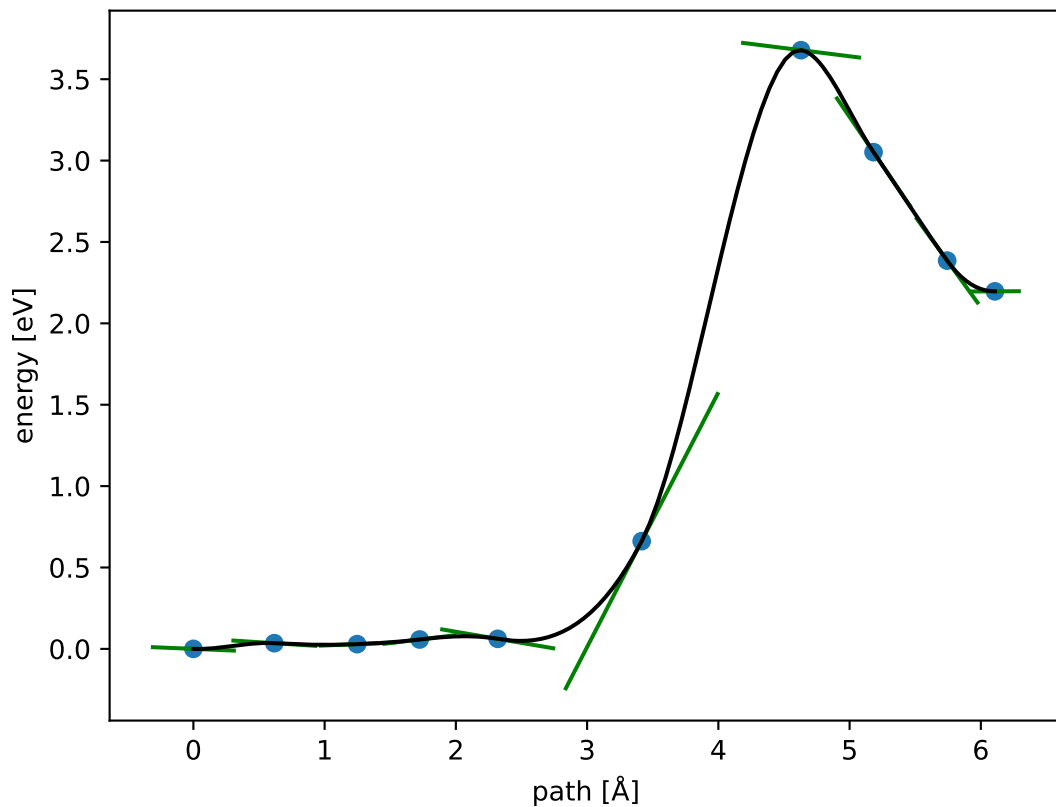
$$E_f \approx 3.679 \text{ eV}; E_r \approx 1.483 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



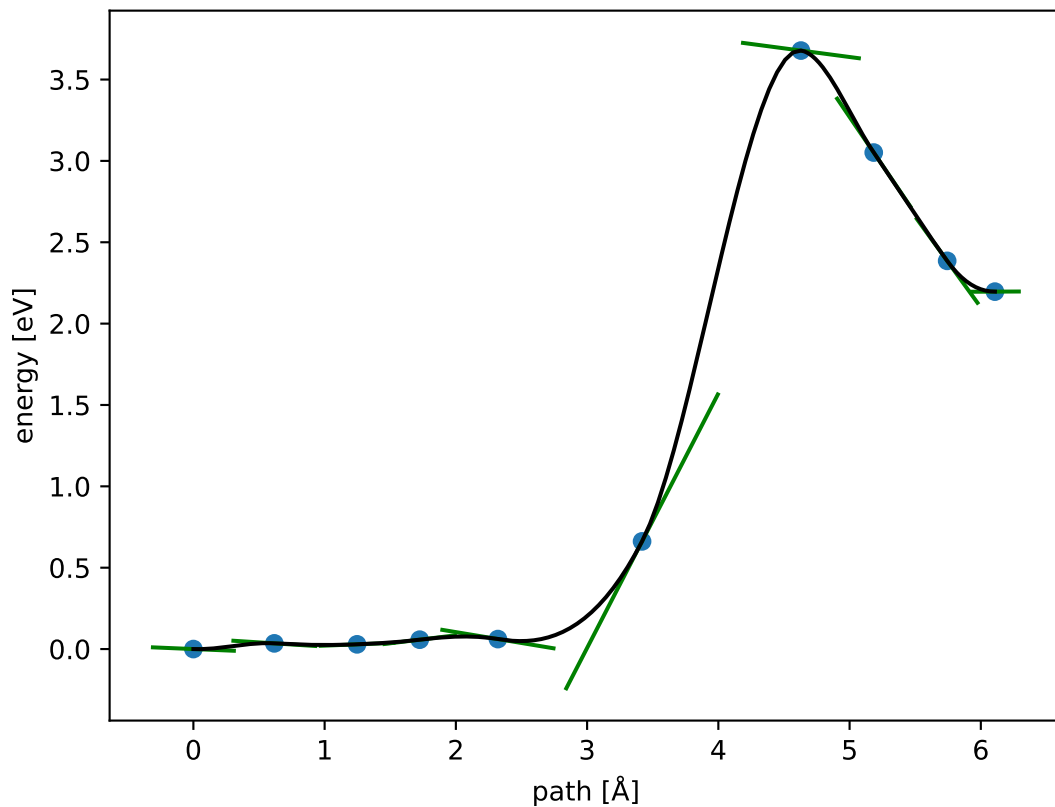
$$E_f \approx 3.679 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



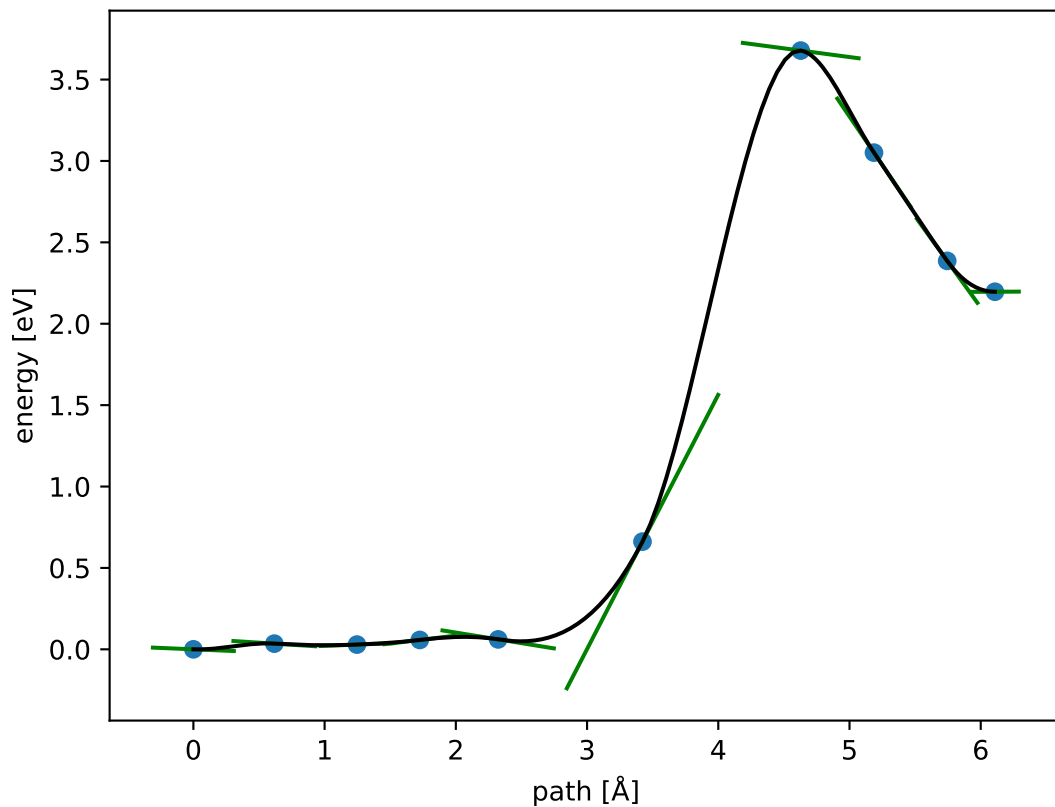
$$E_f \approx 3.678 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



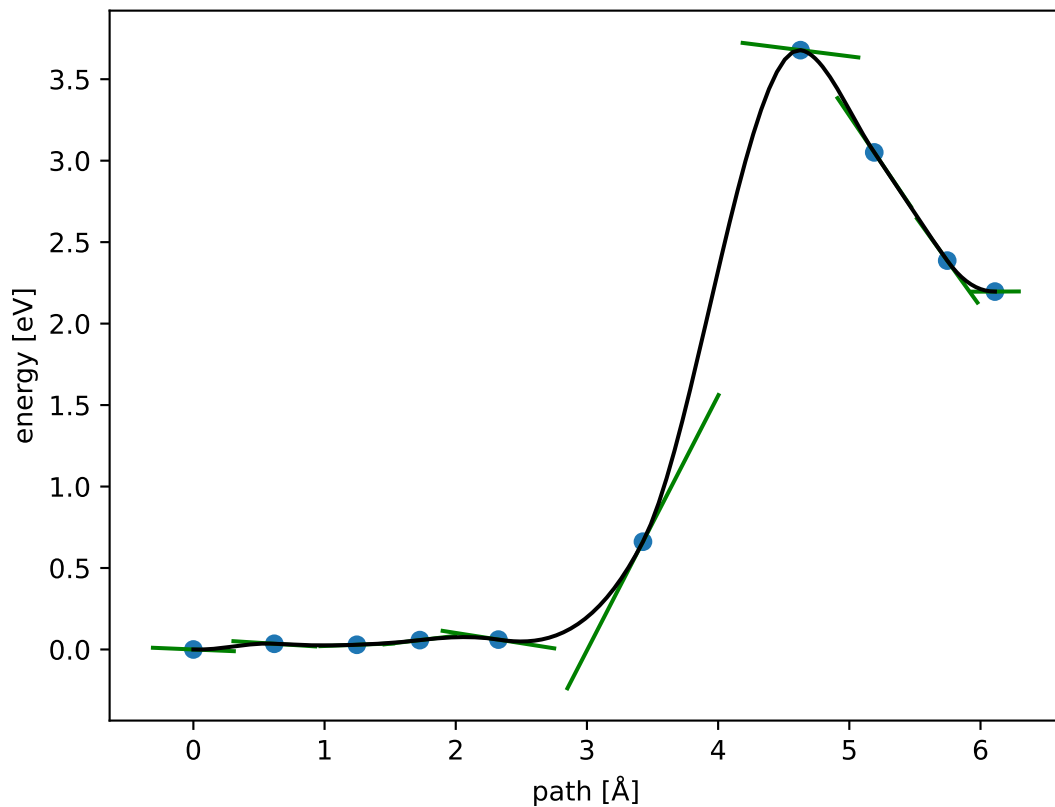
$$E_f \approx 3.678 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



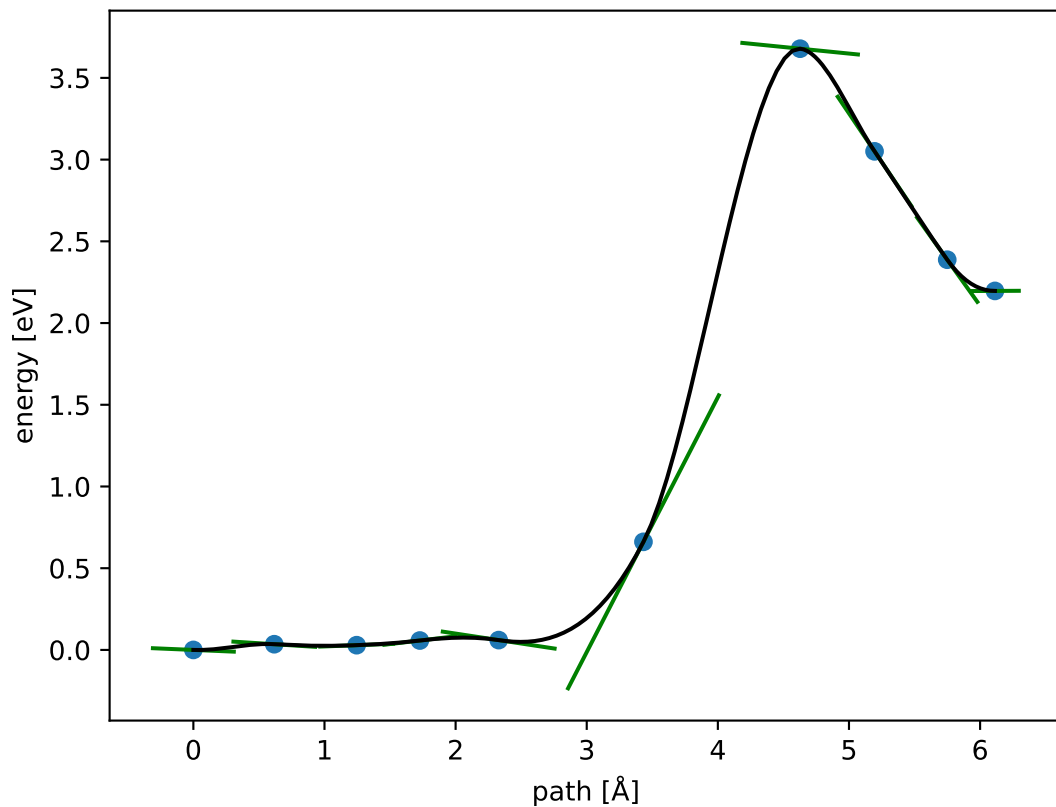
$$E_f \approx 3.678 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



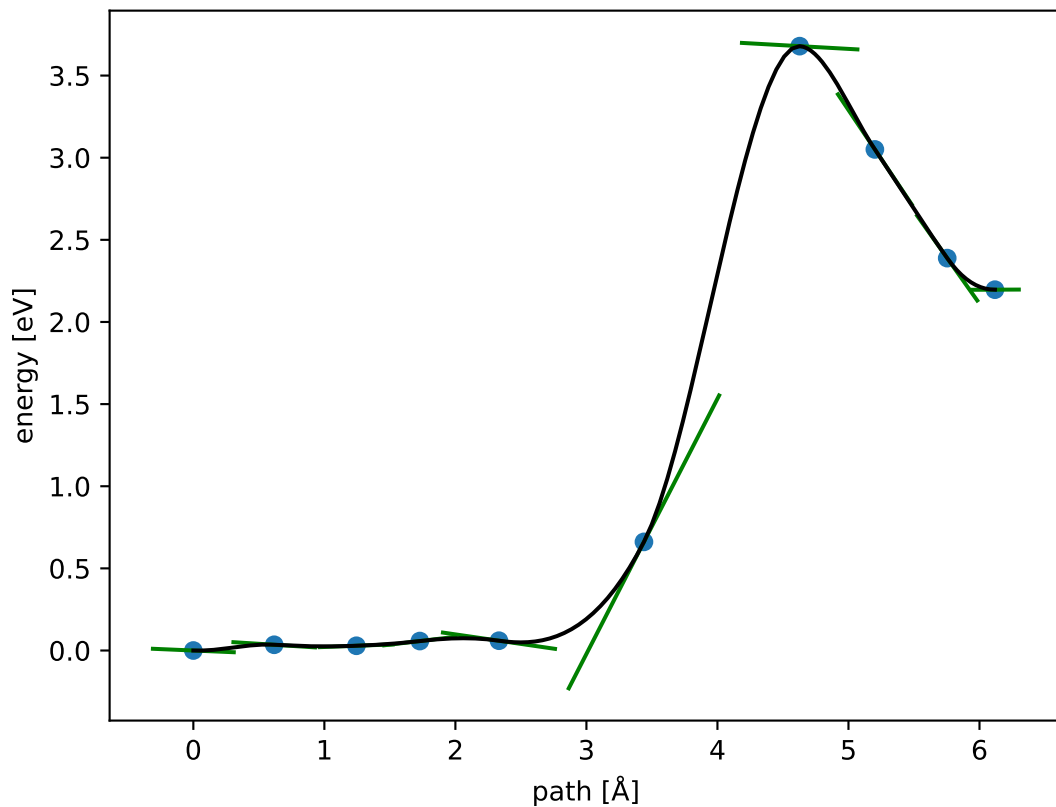
$$E_f \approx 3.678 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



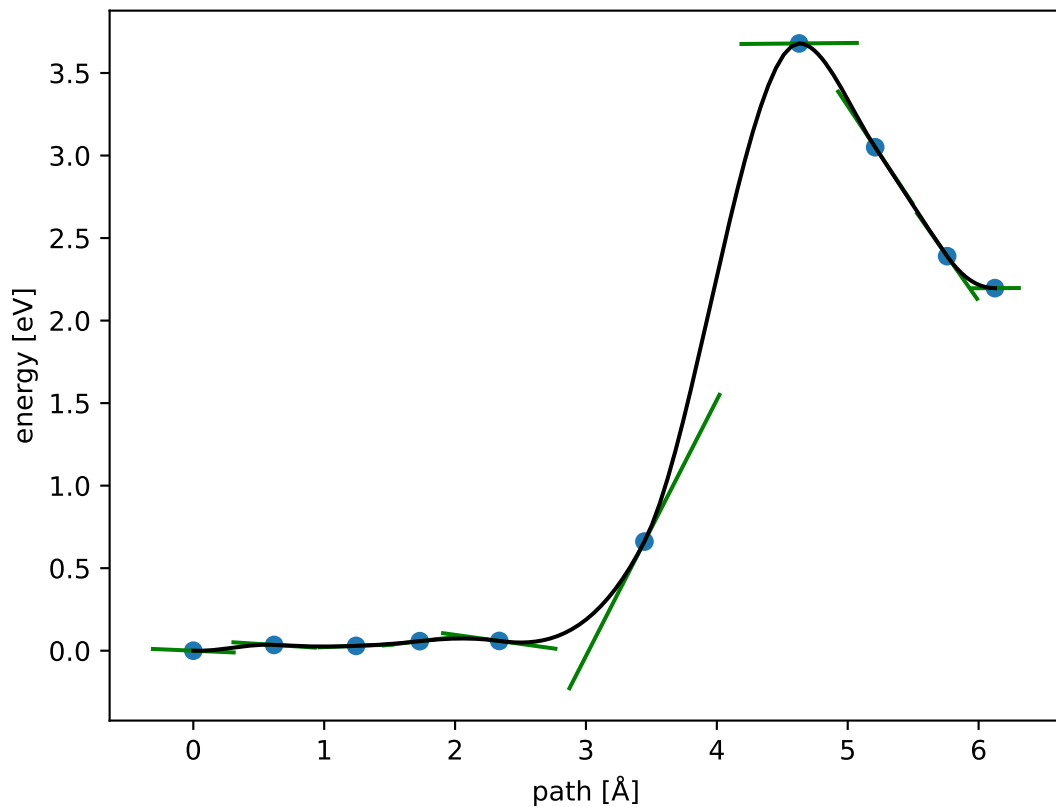
$$E_f \approx 3.679 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



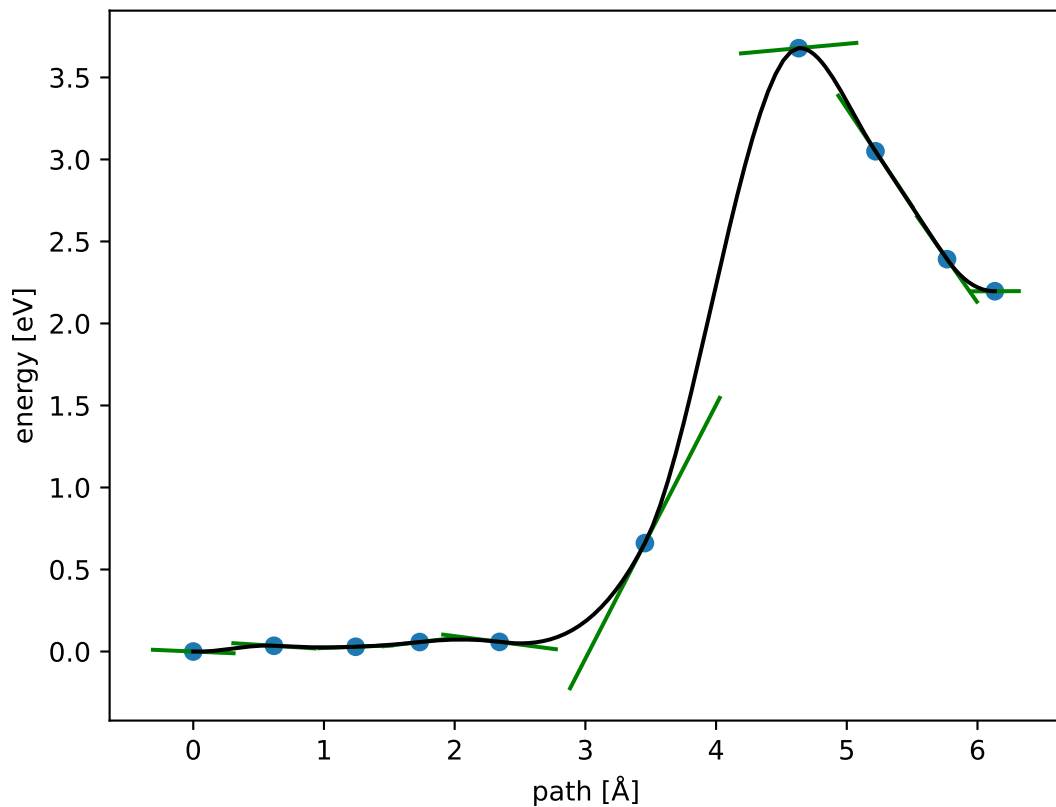
$$E_f \approx 3.679 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



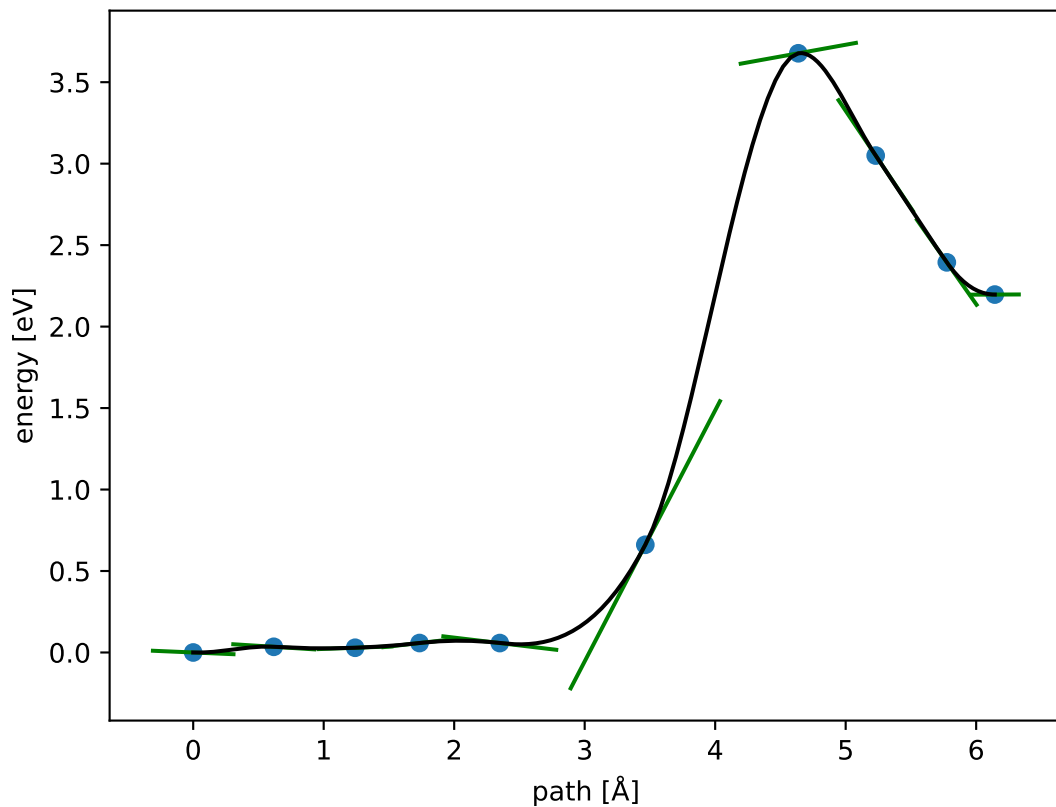
$$E_f \approx 3.679 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



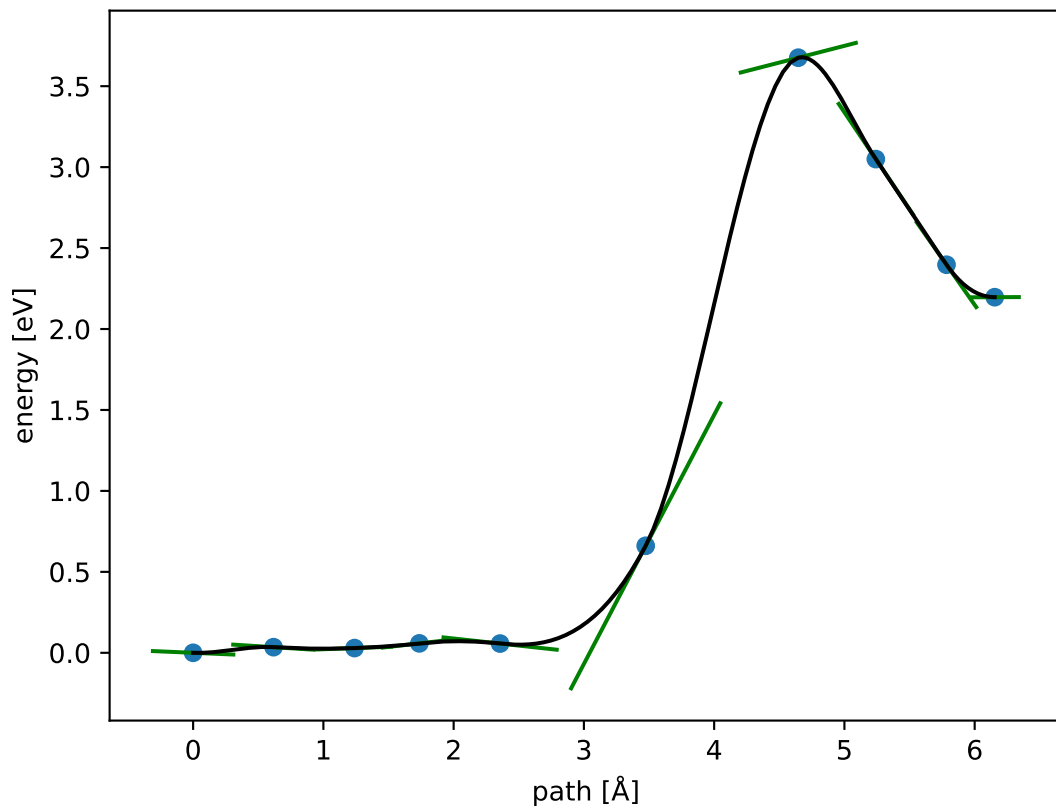
$$E_f \approx 3.679 \text{ eV}; E_r \approx 1.482 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



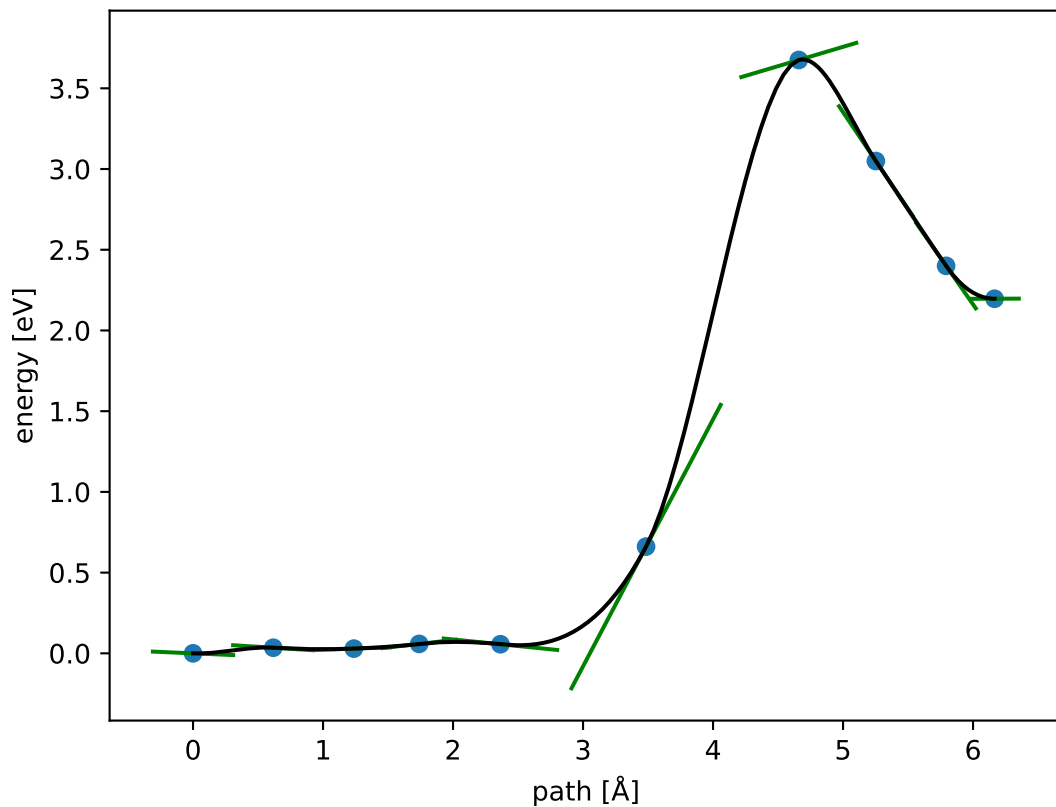
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



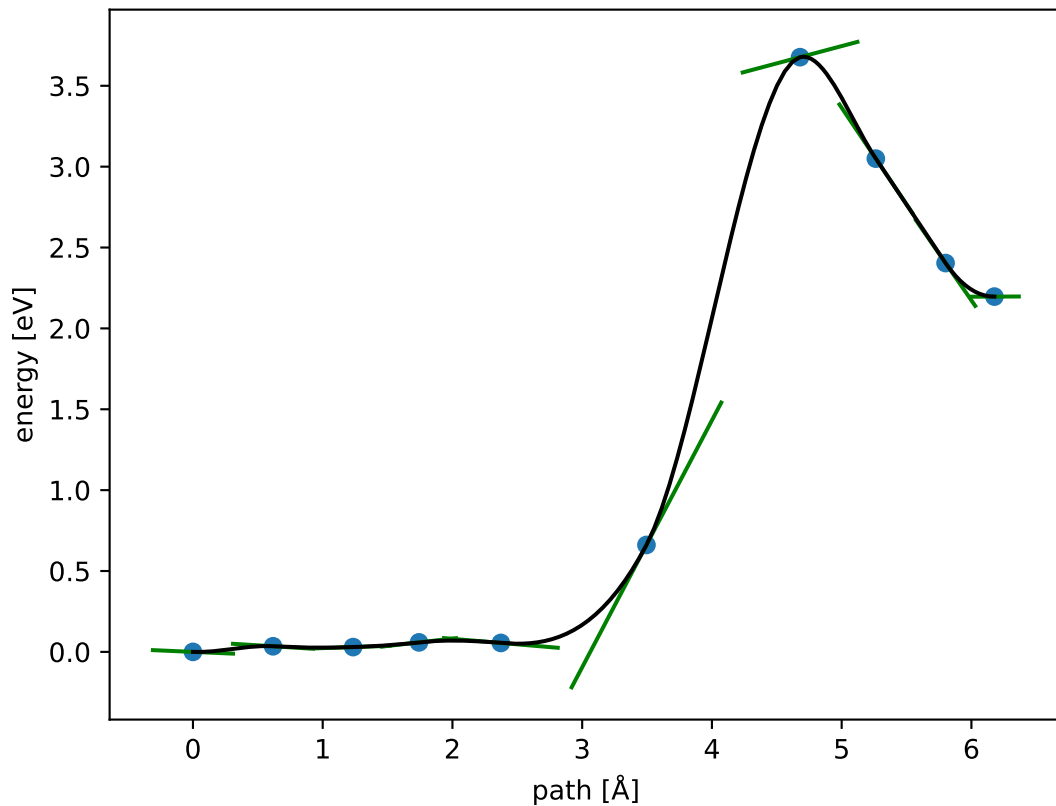
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.479 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



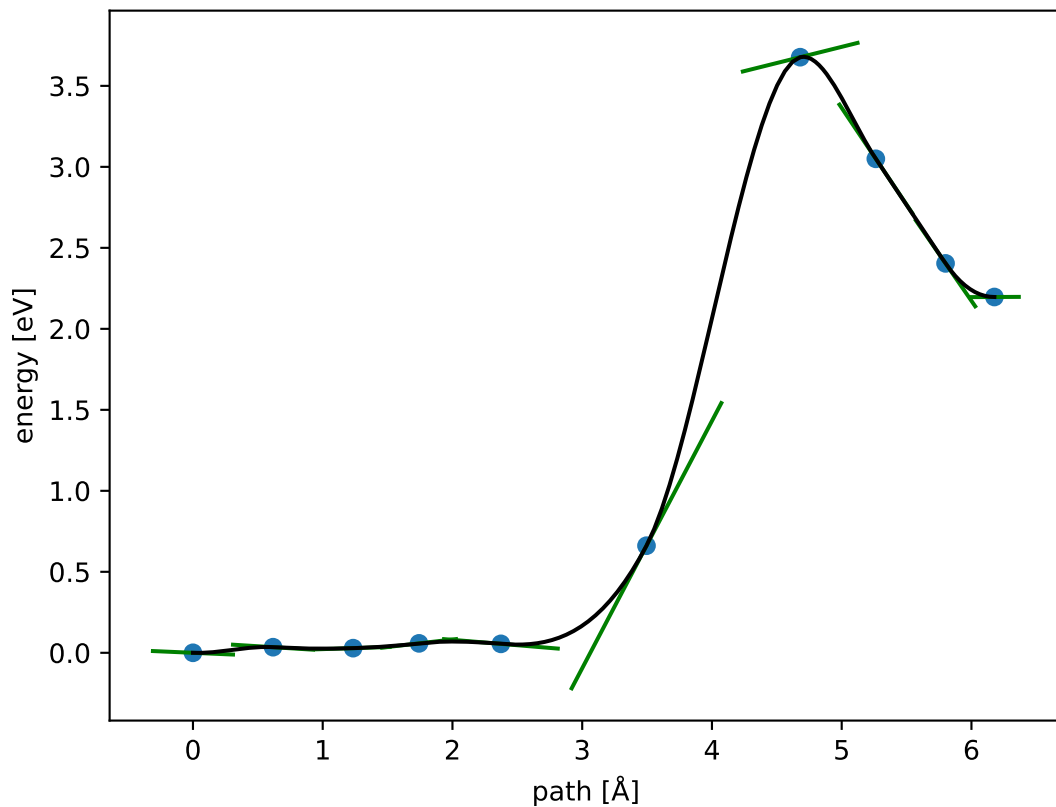
$$E_f \approx 3.675 \text{ eV}; E_r \approx 1.479 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



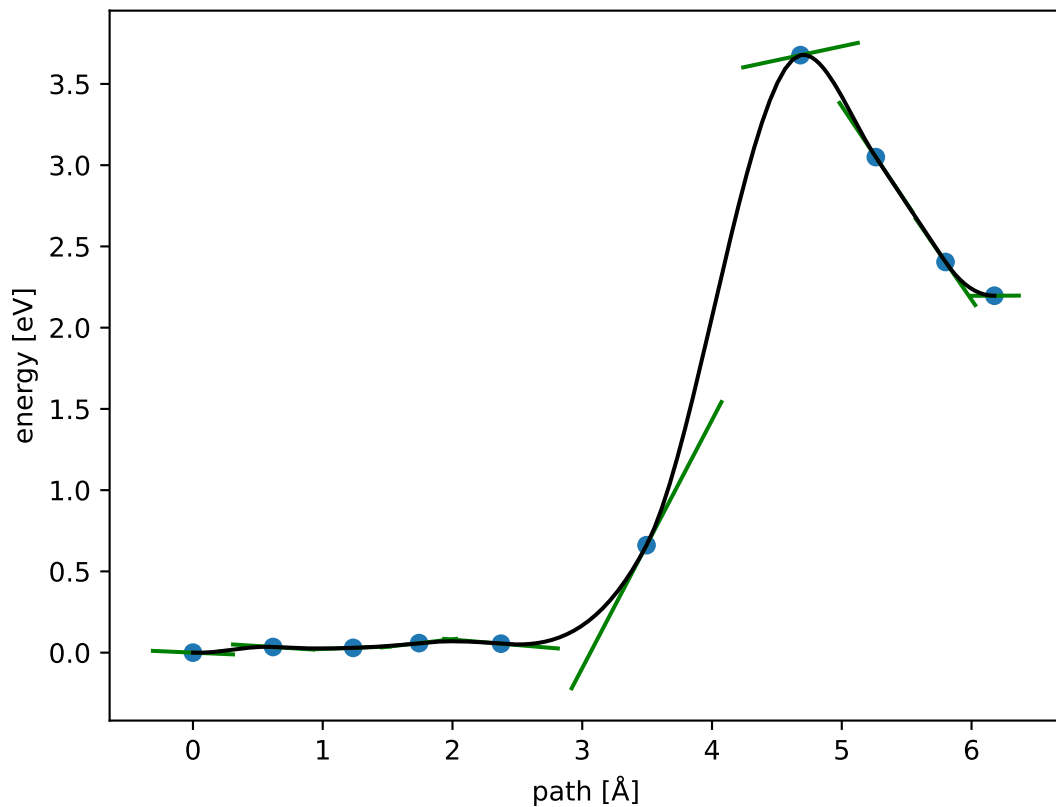
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



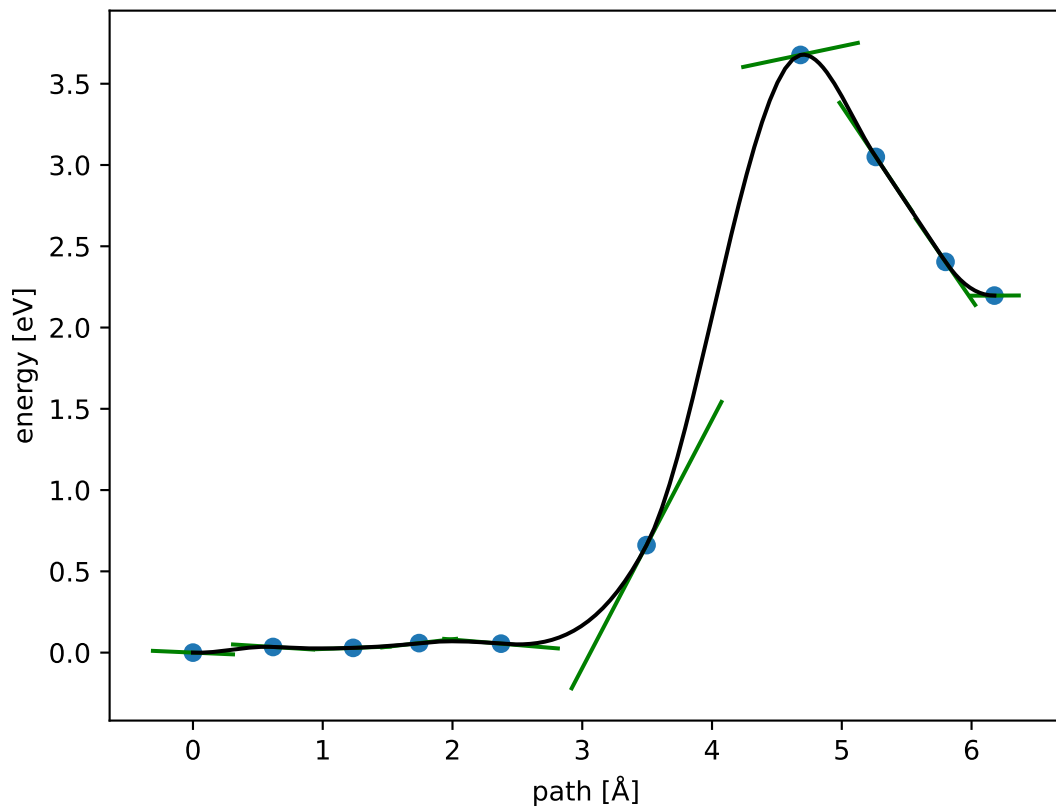
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



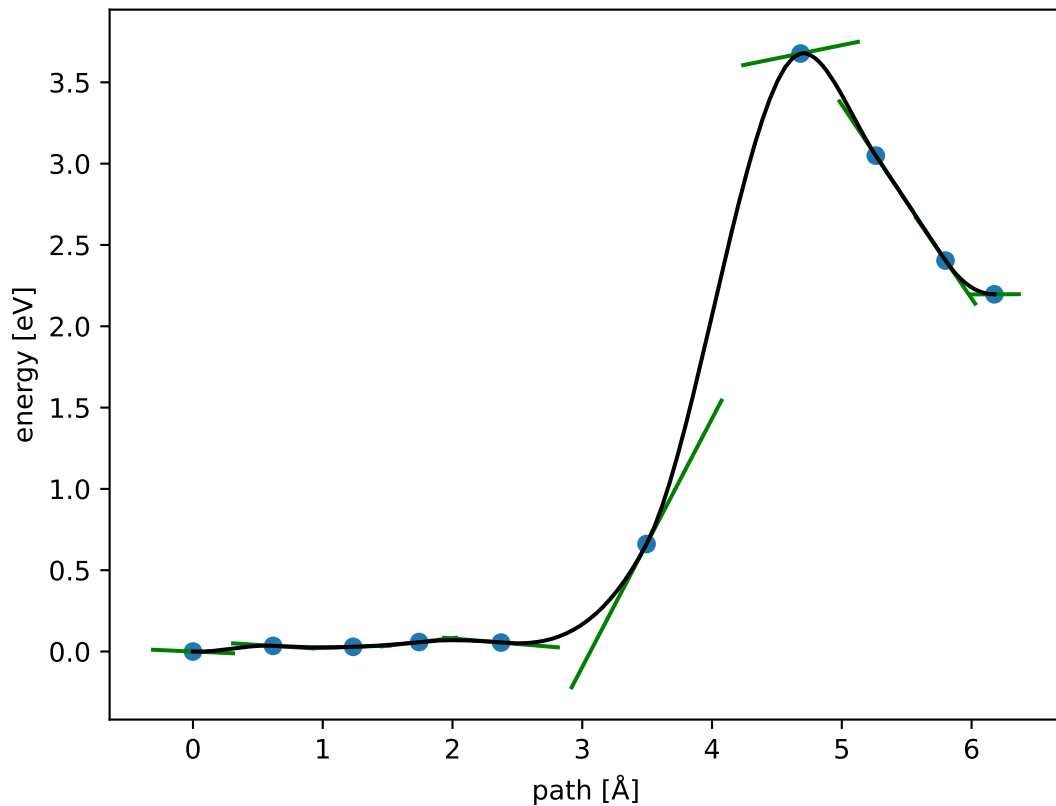
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



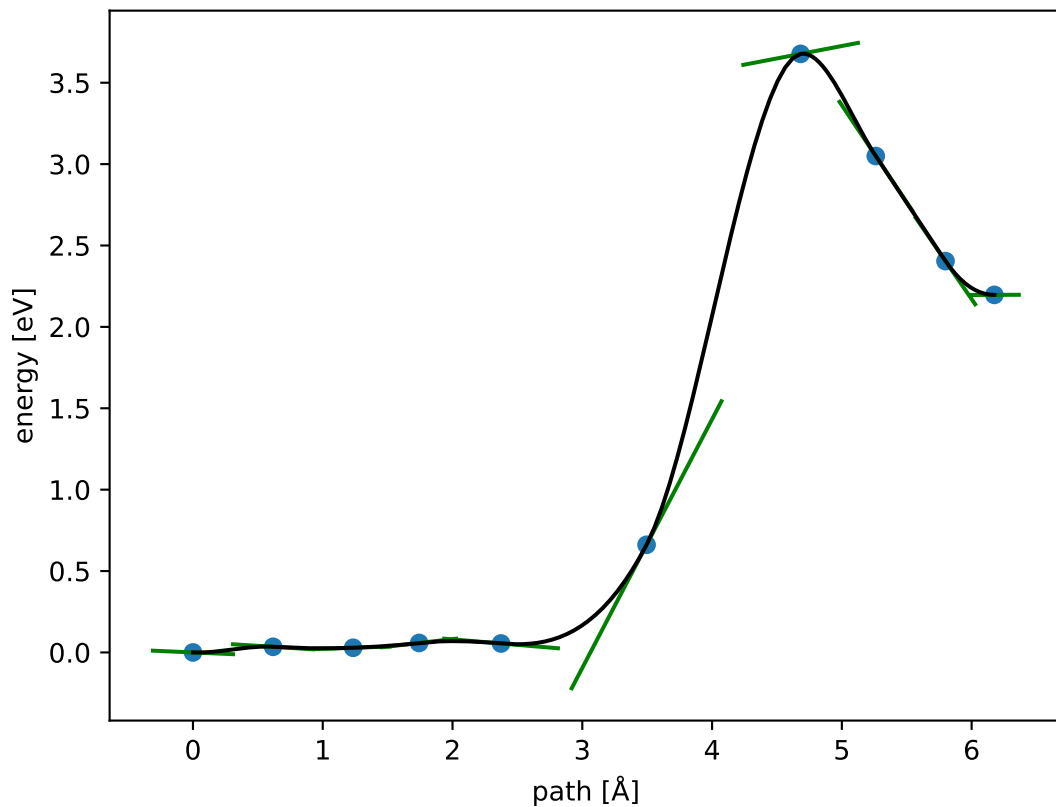
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



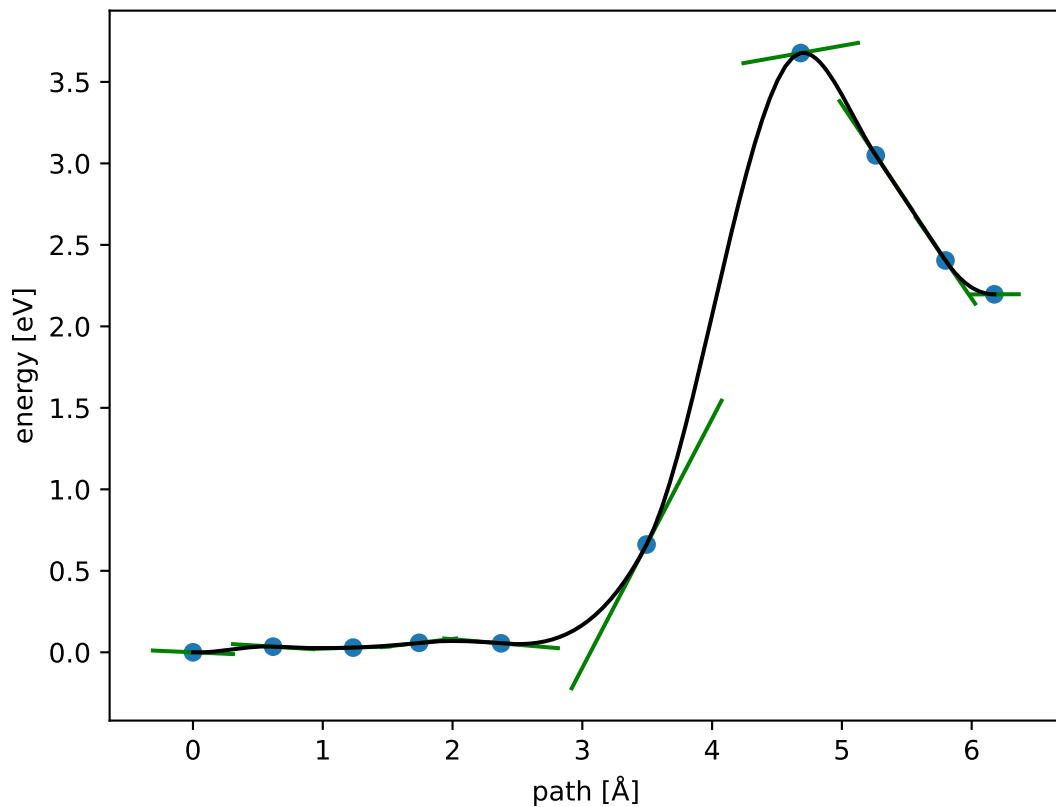
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



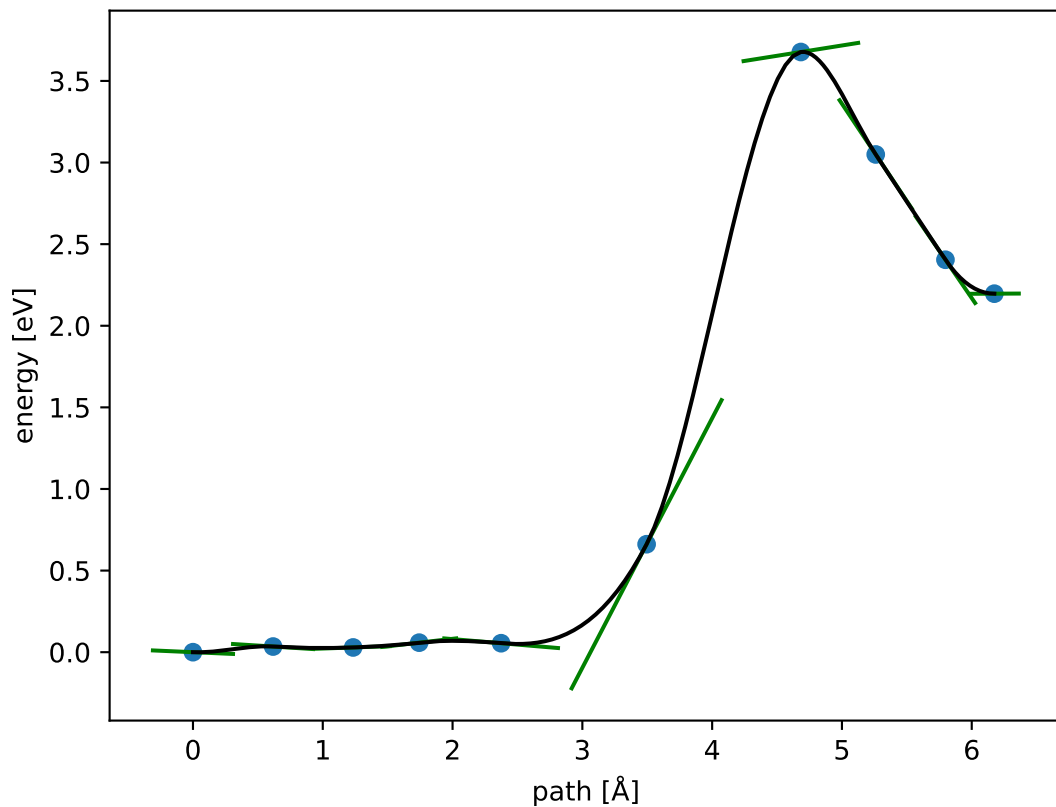
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



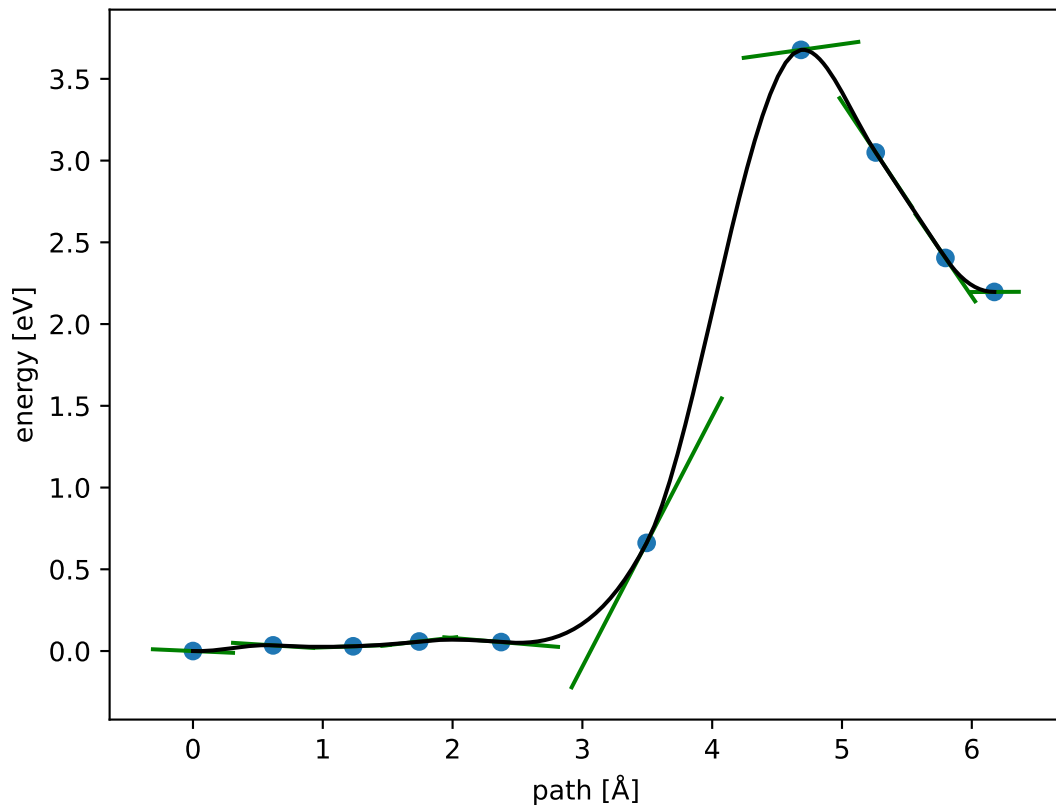
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



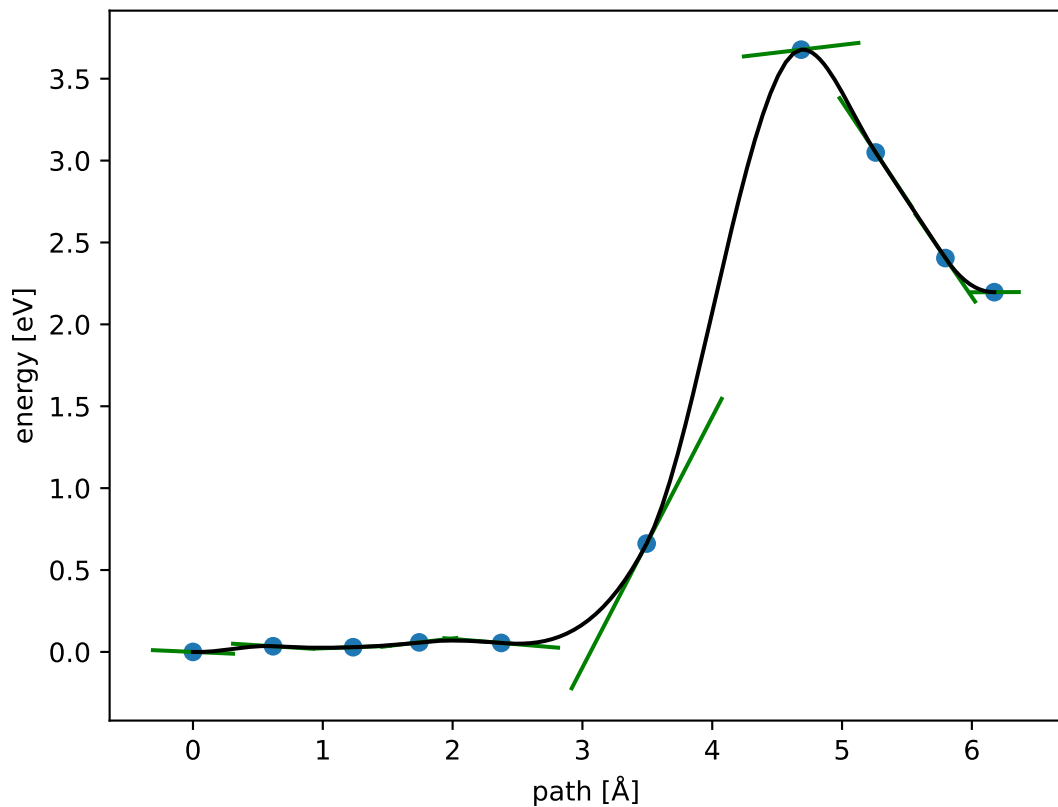
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



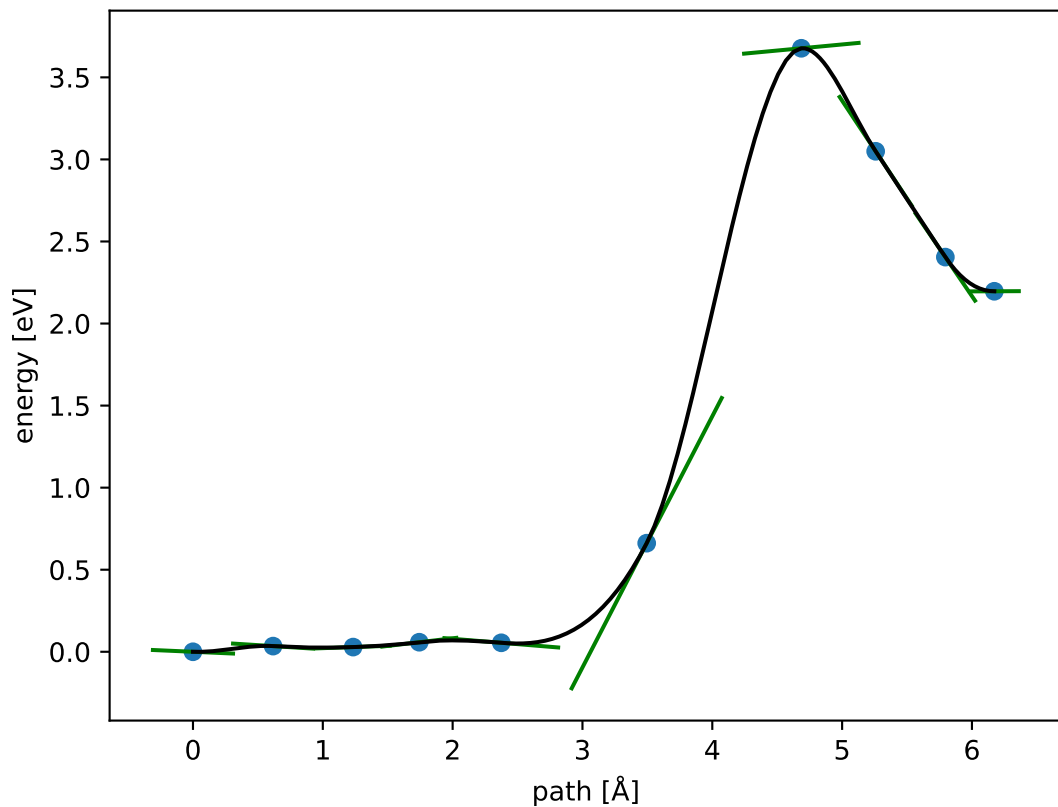
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



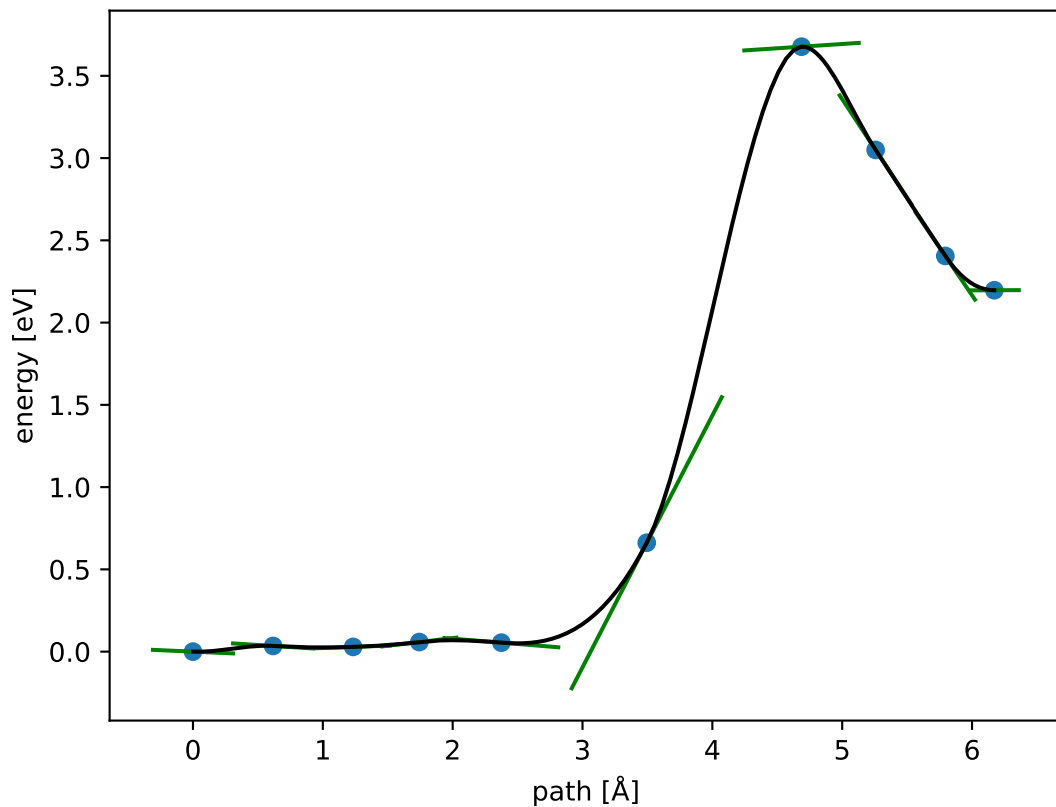
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



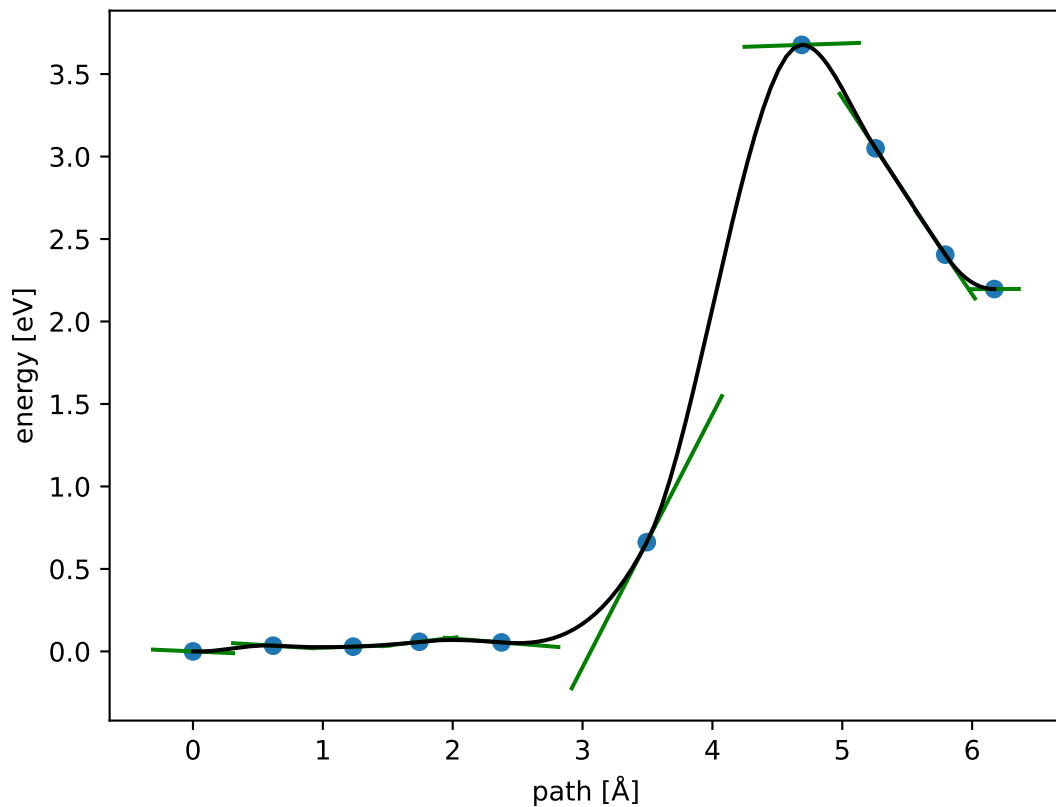
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



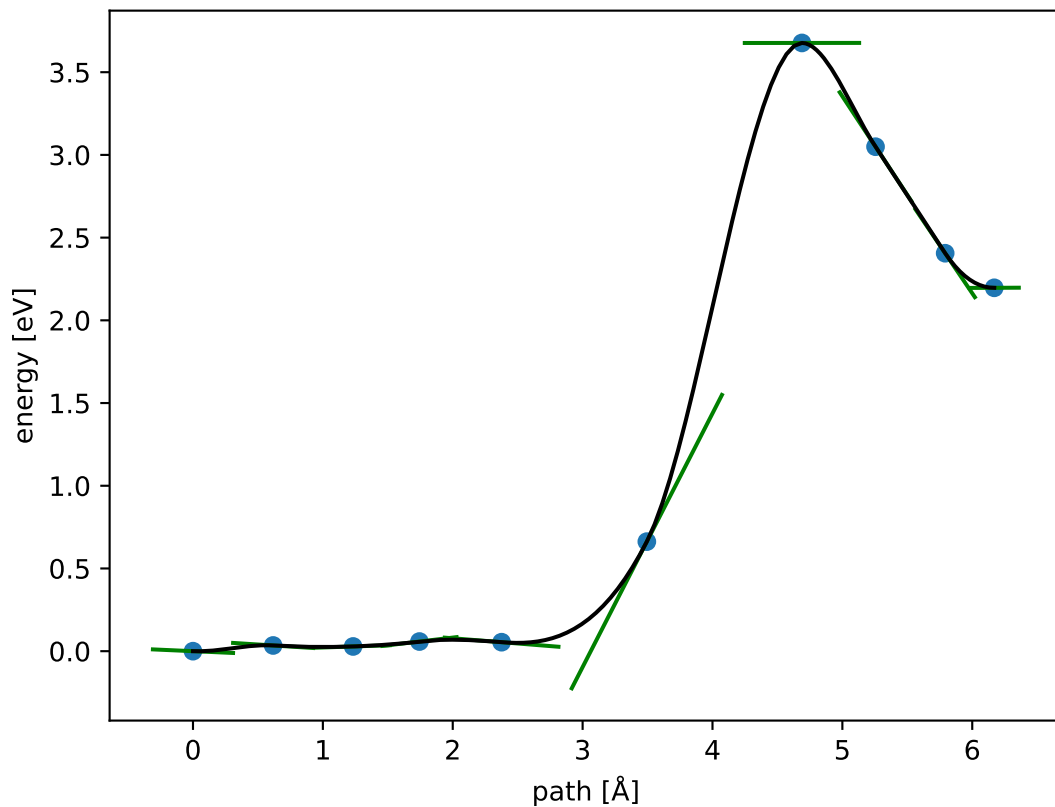
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.481 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



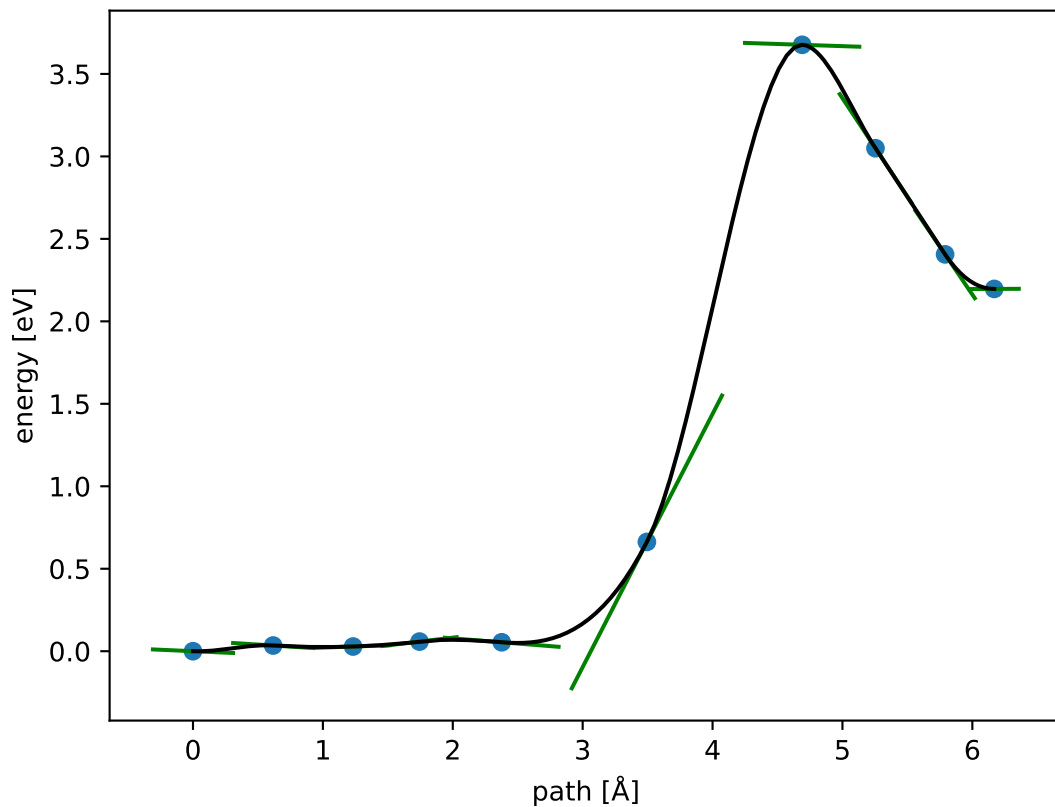
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



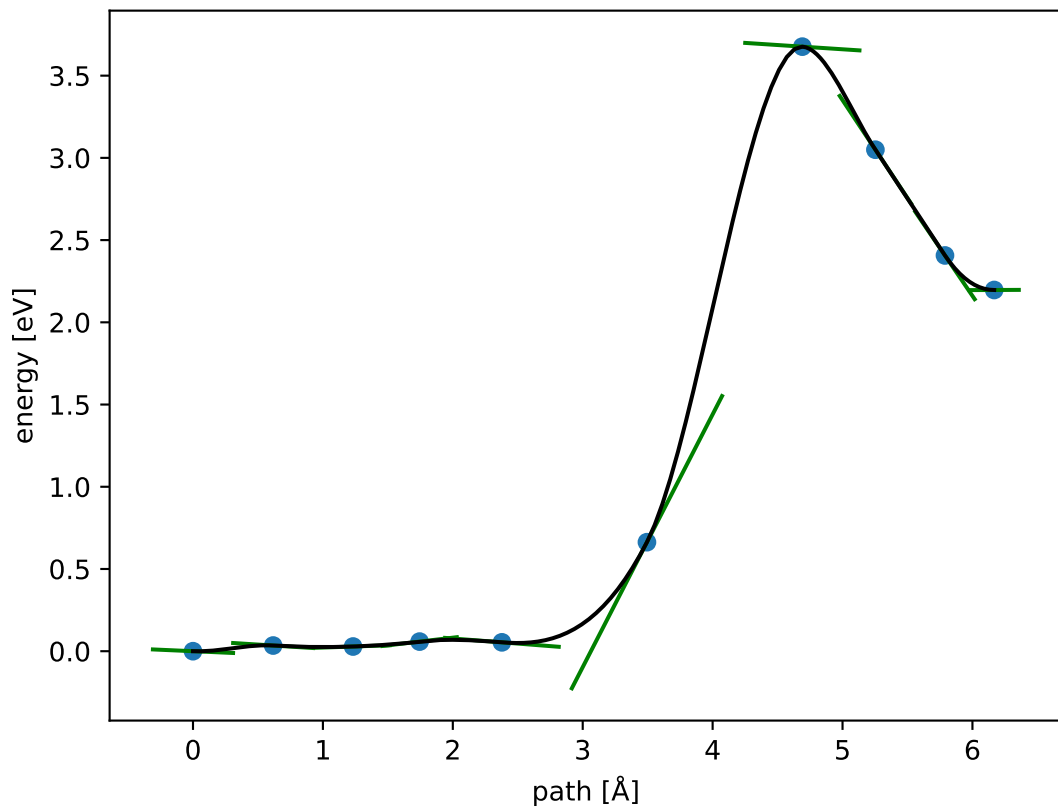
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



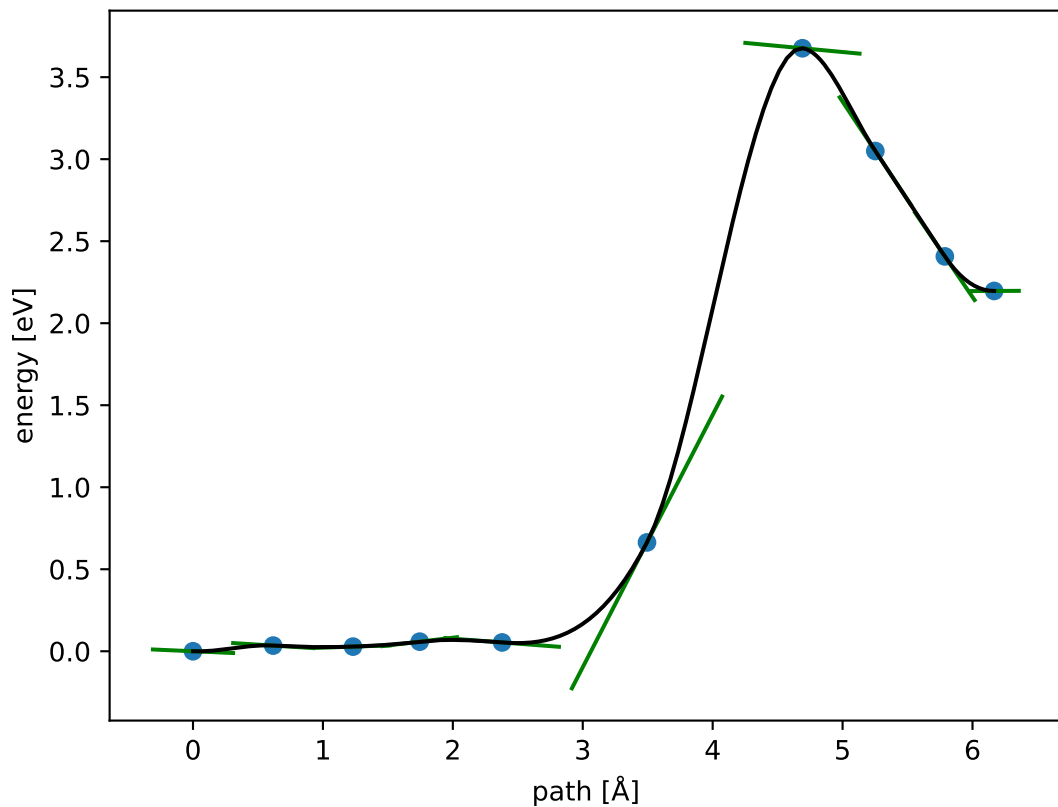
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



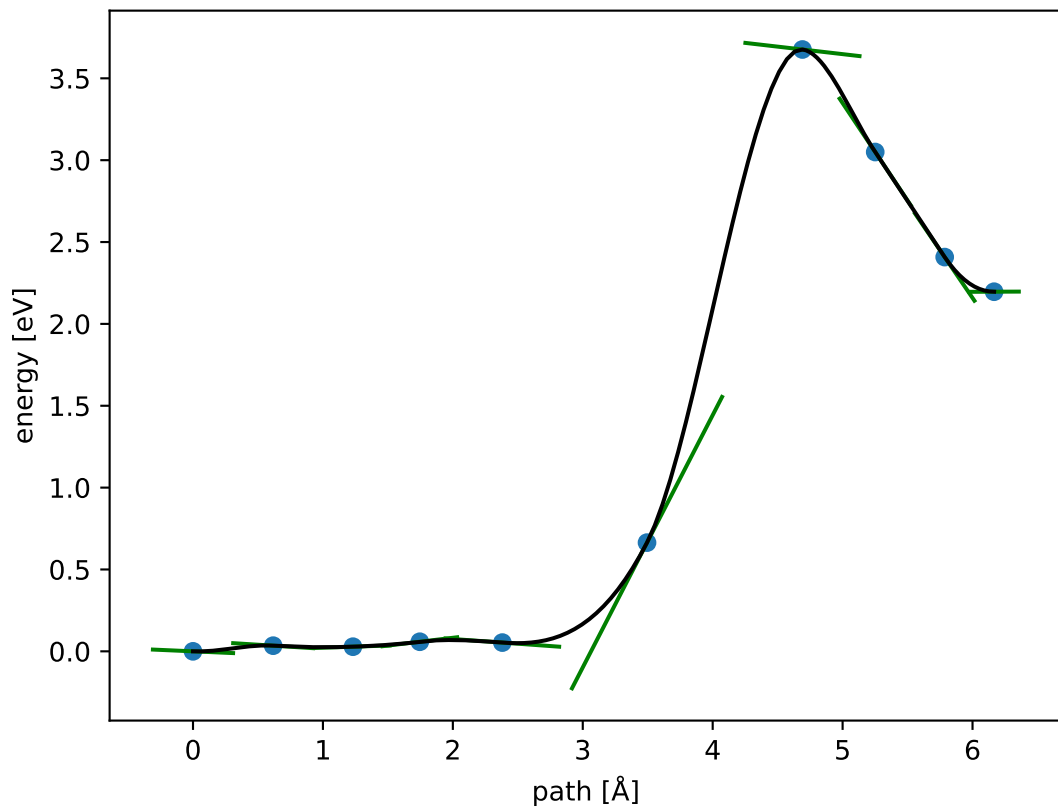
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



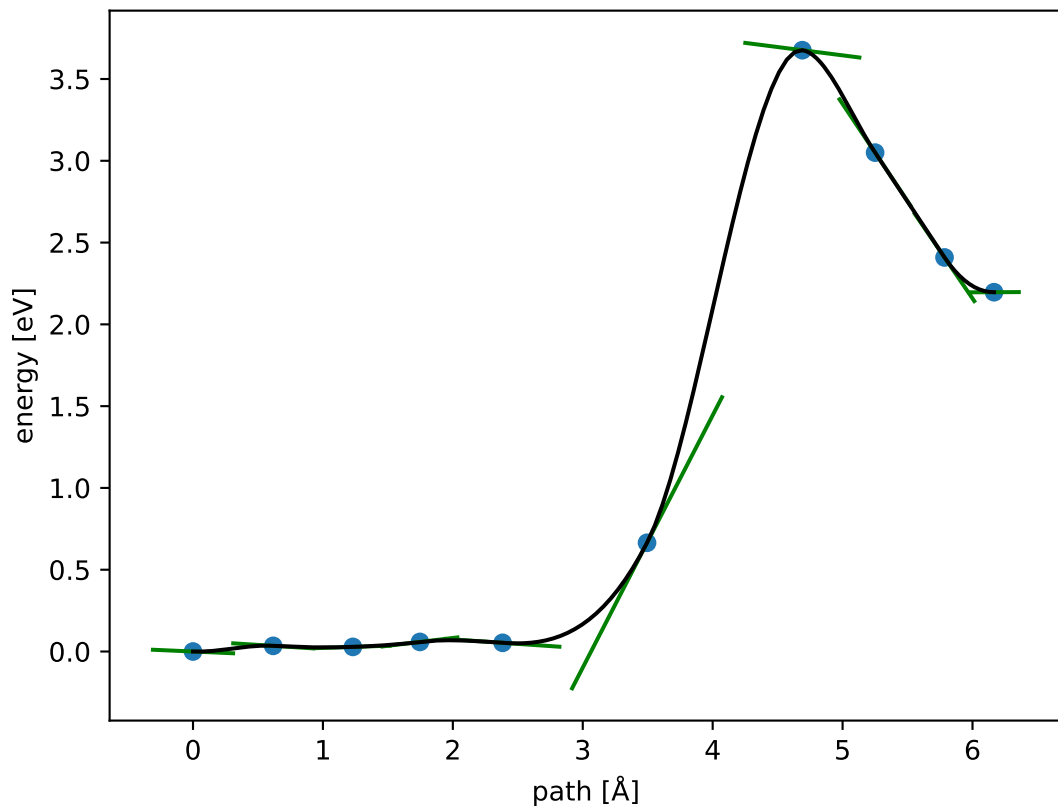
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



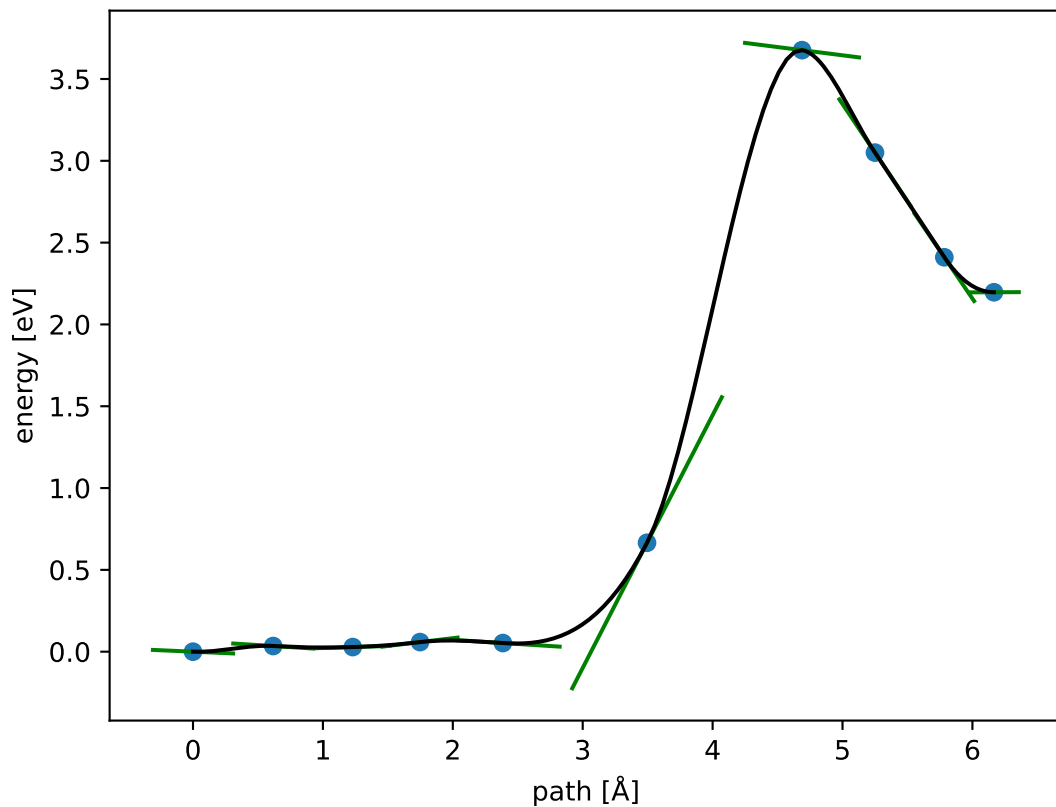
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.479 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



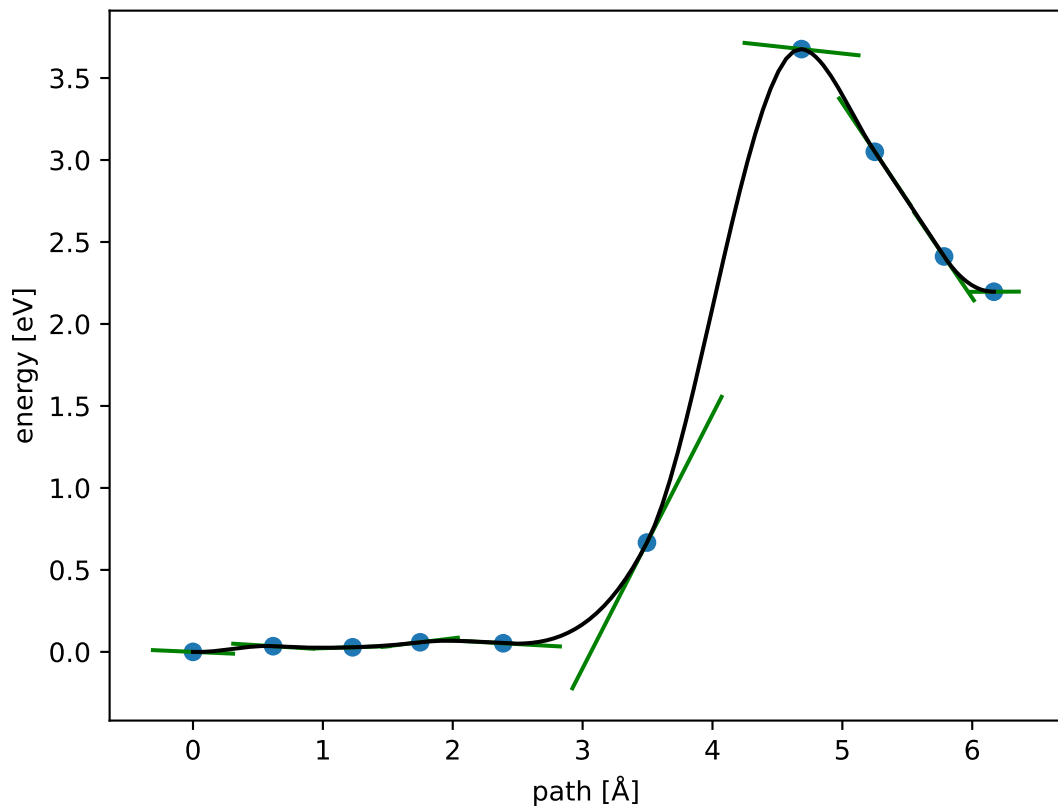
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.479 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



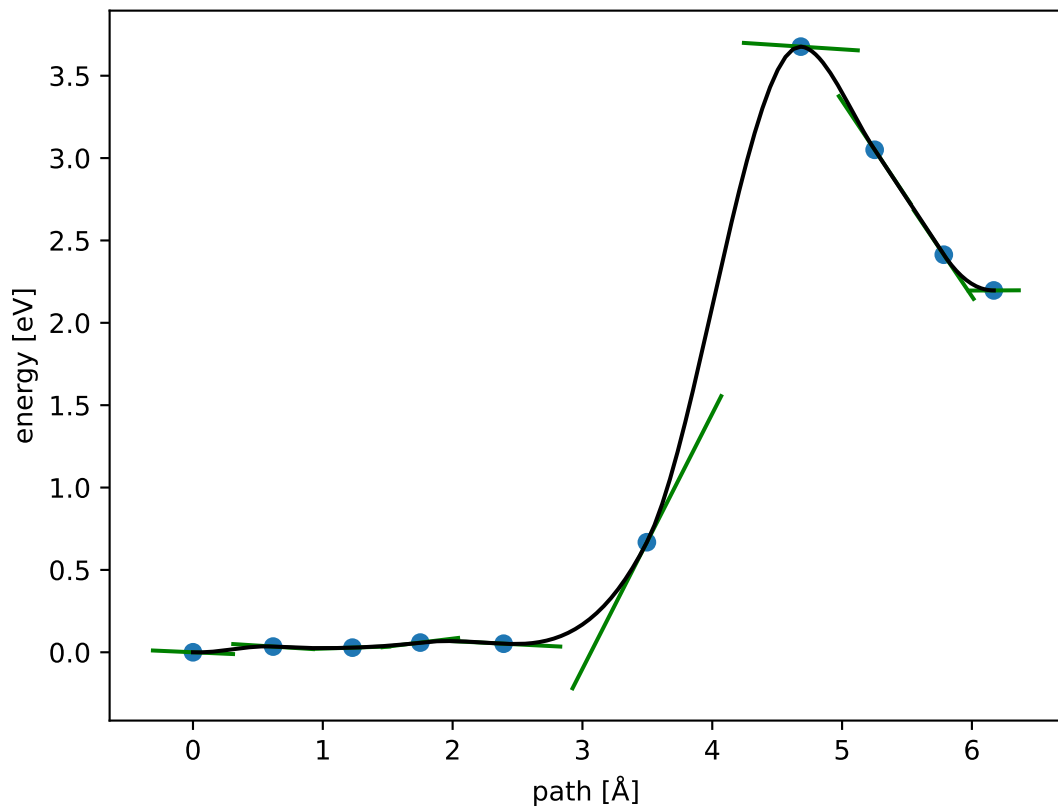
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



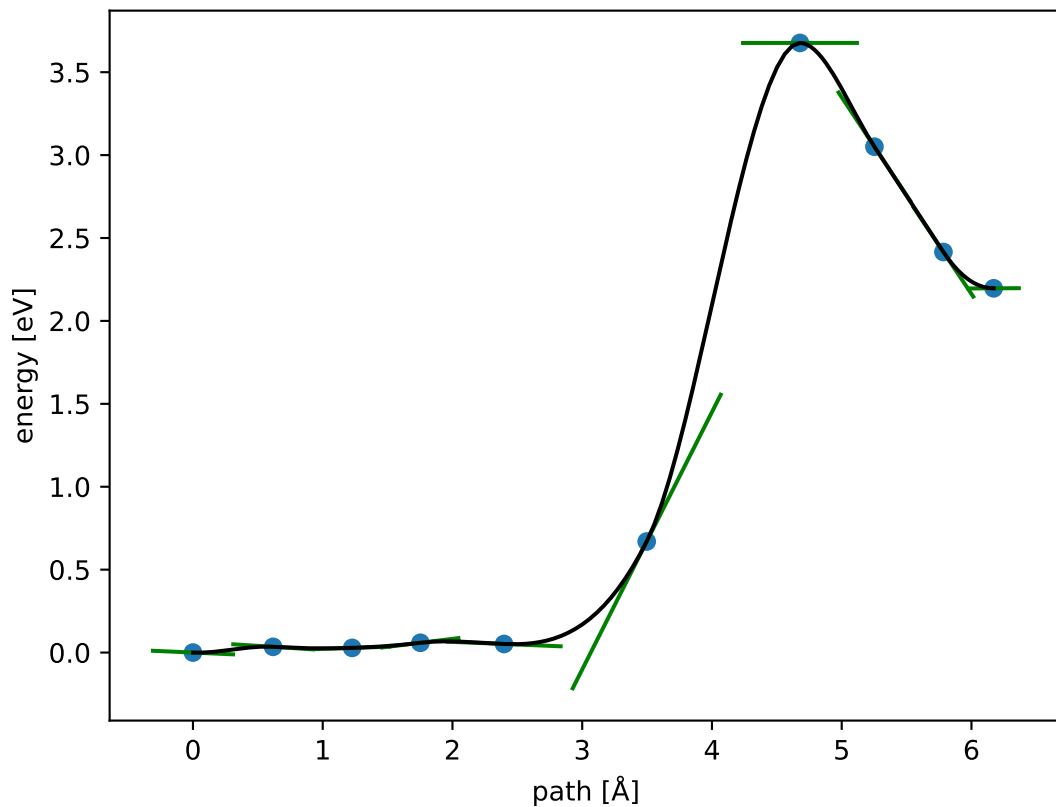
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



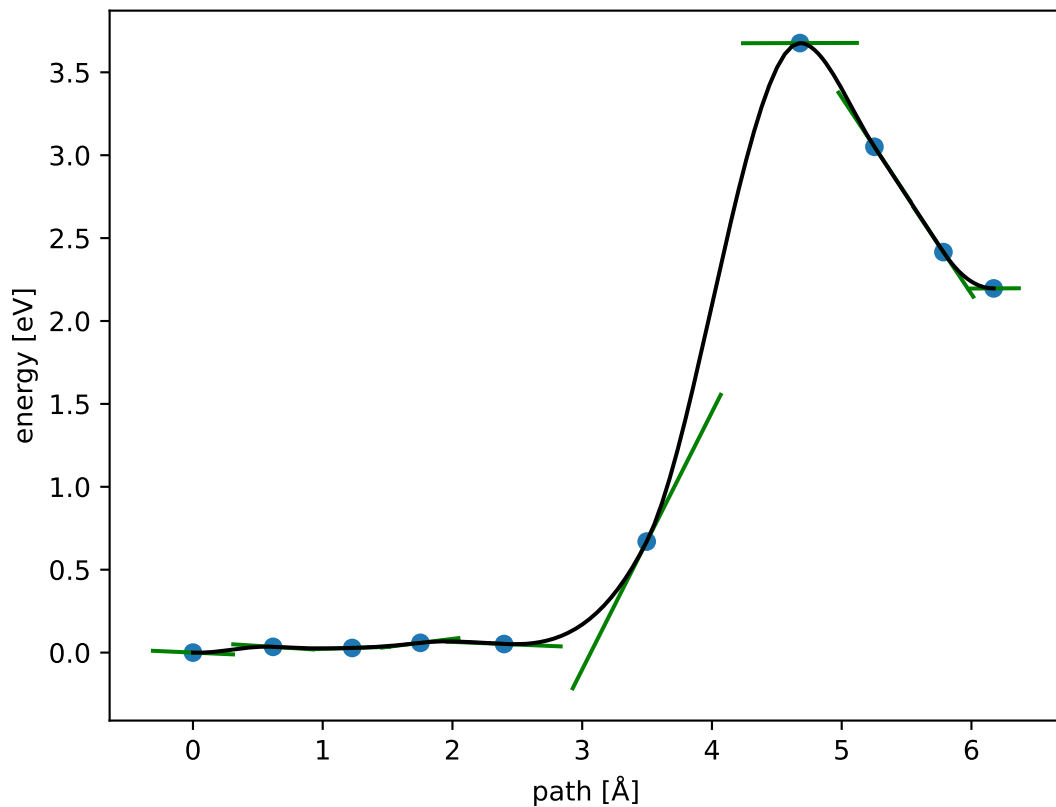
$$E_f \approx 3.677 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



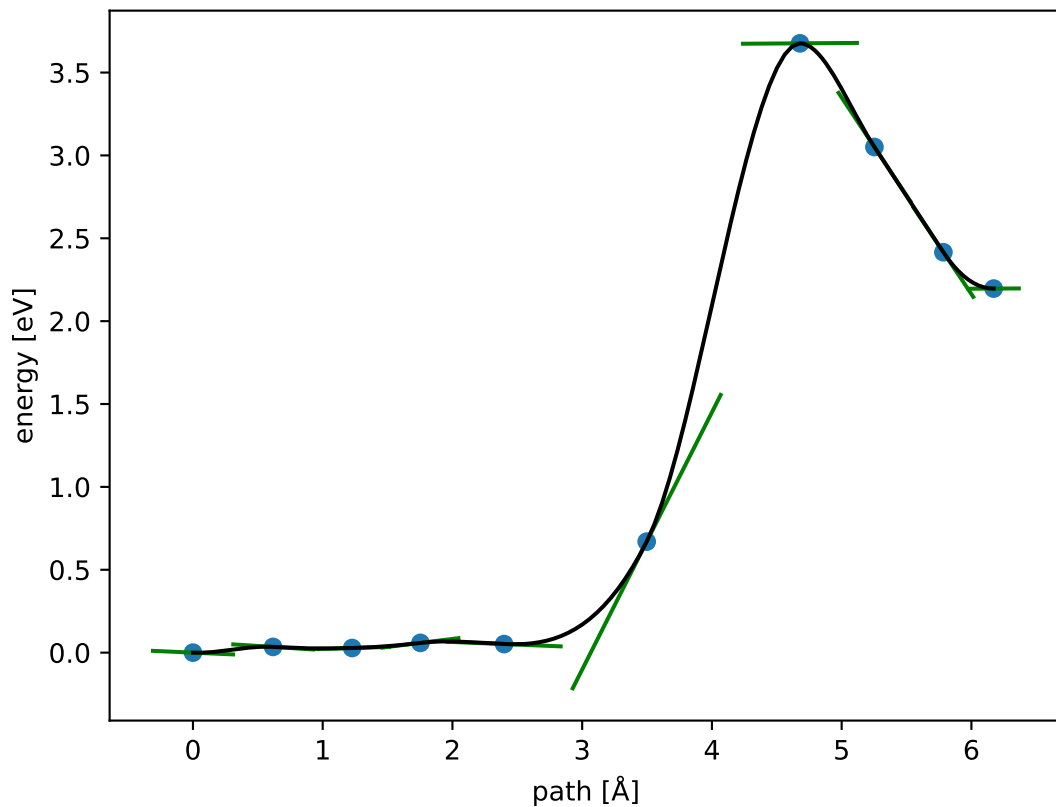
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



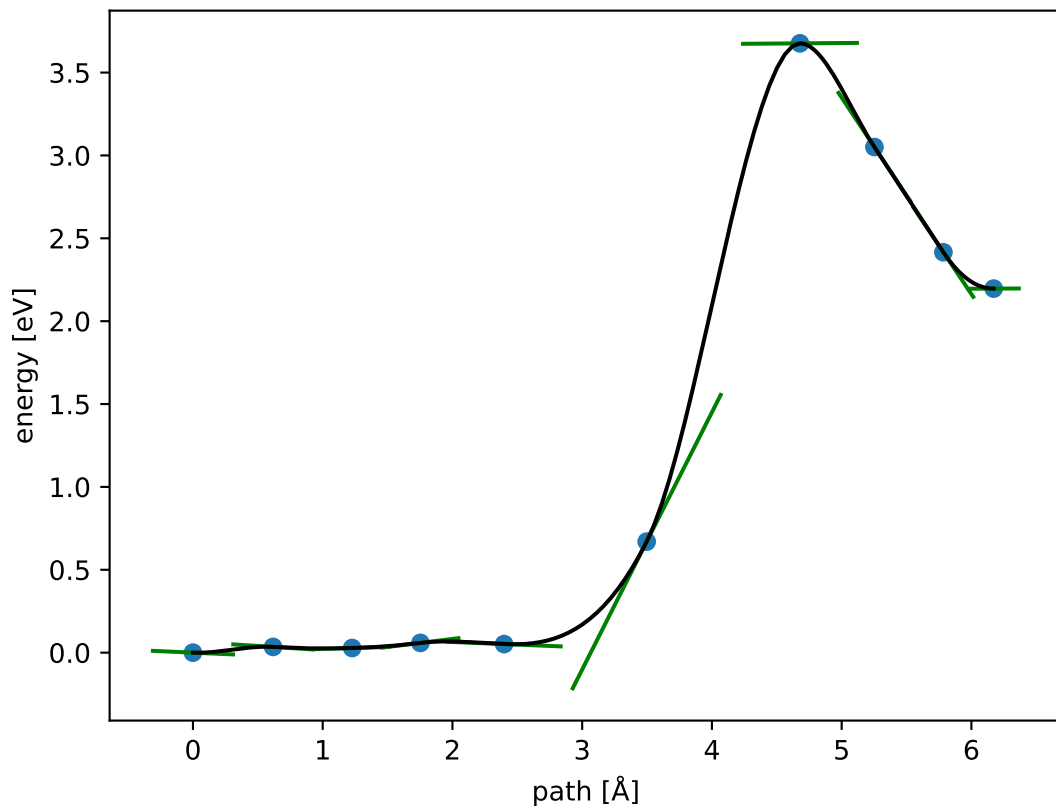
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



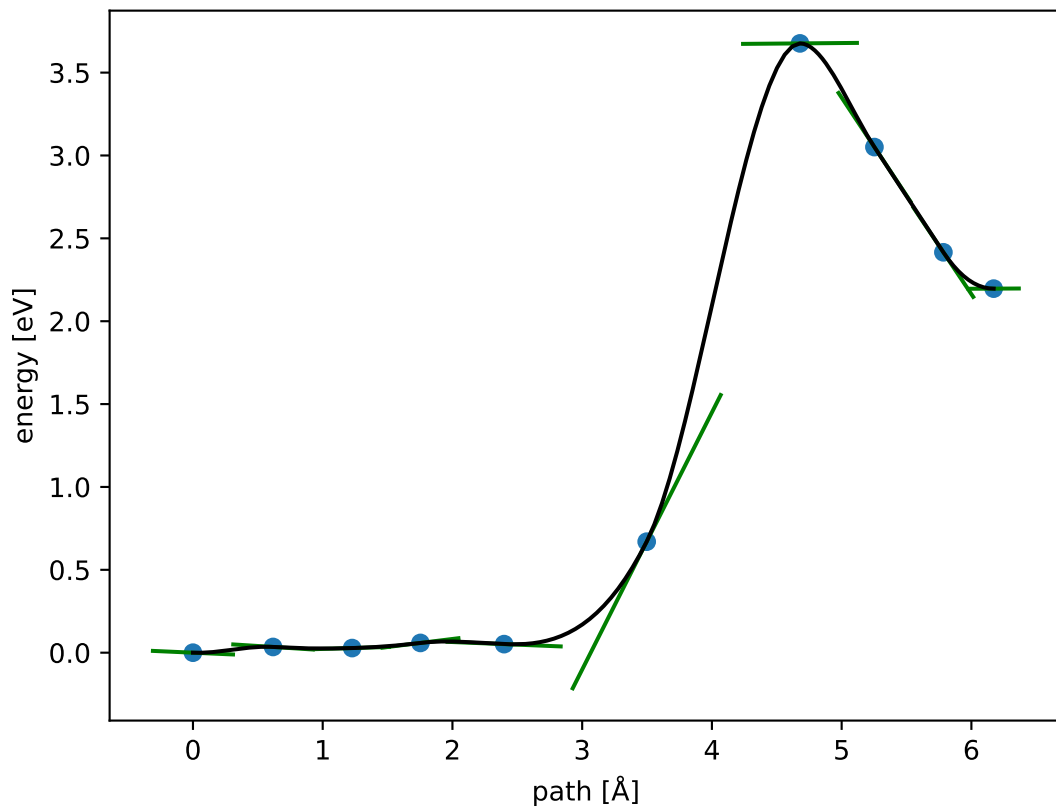
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



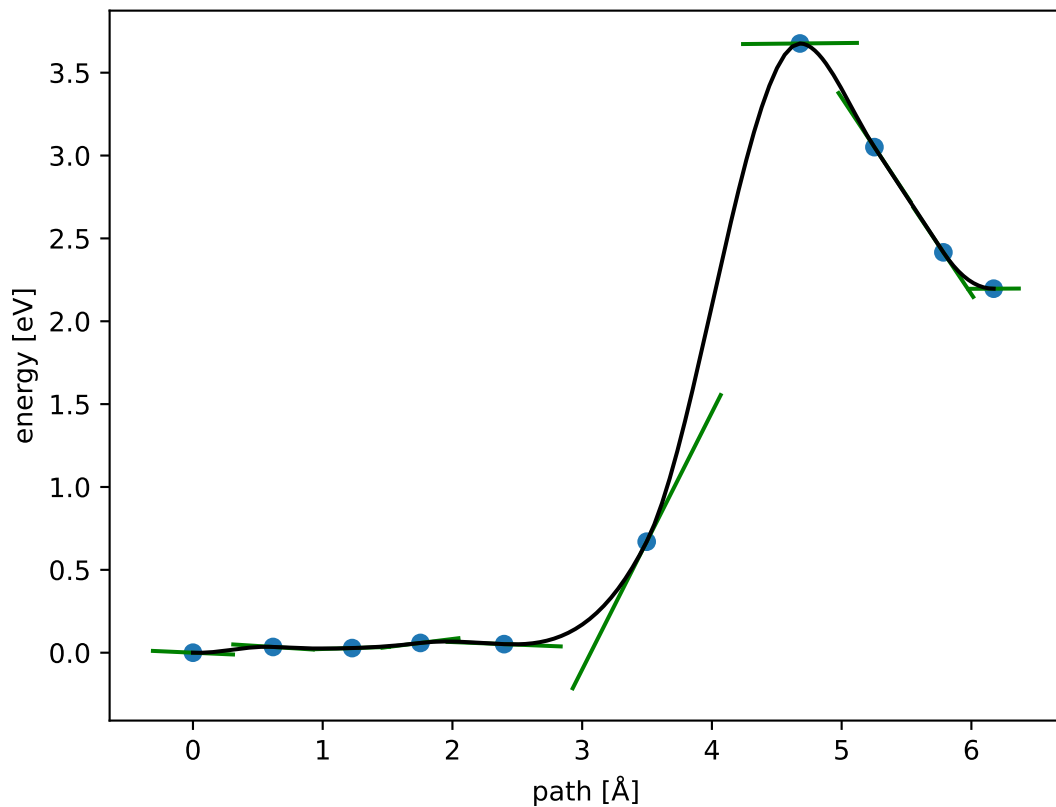
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



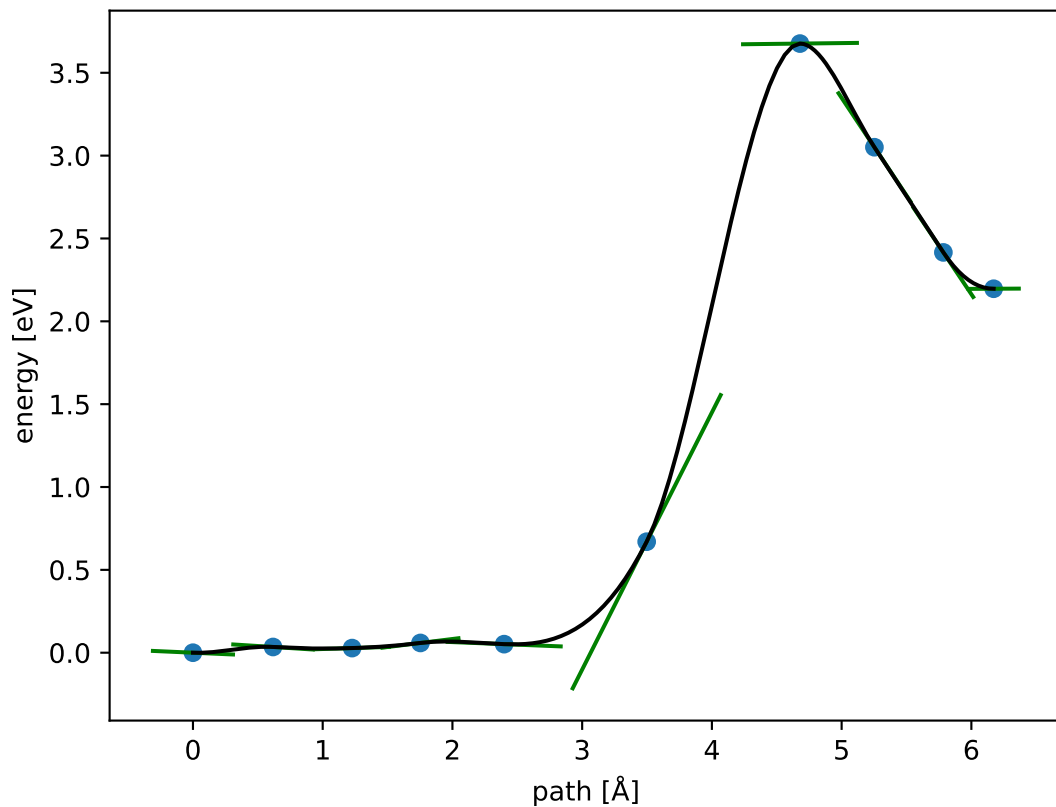
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



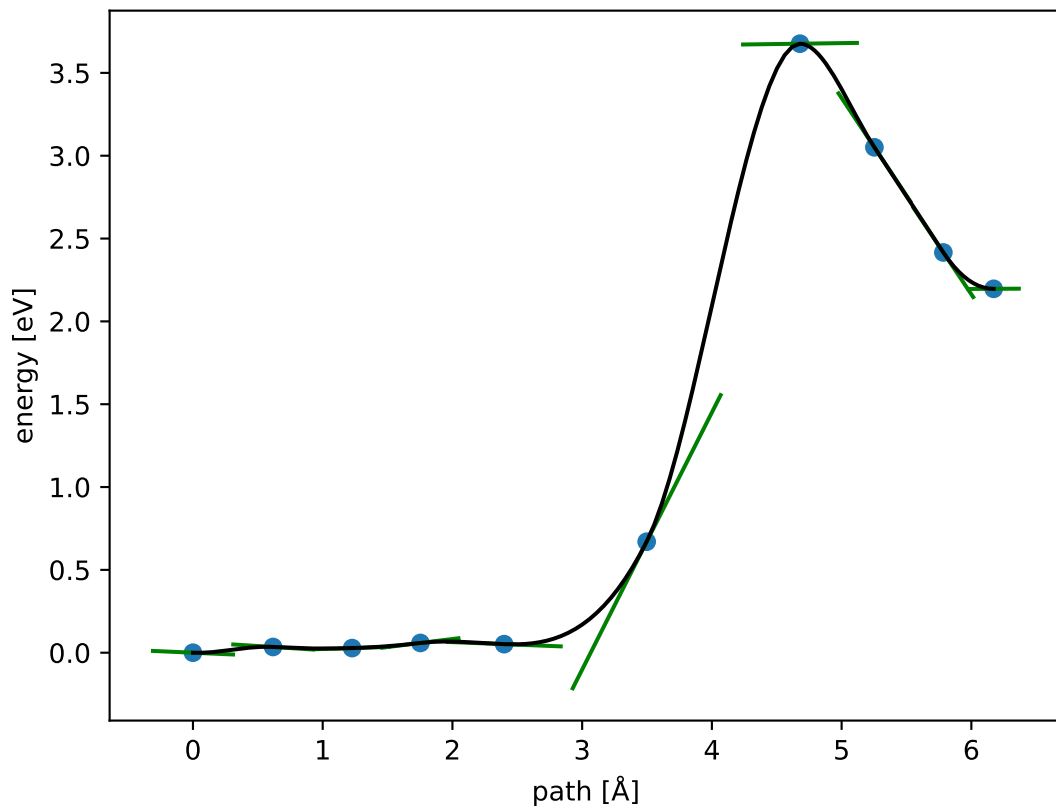
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



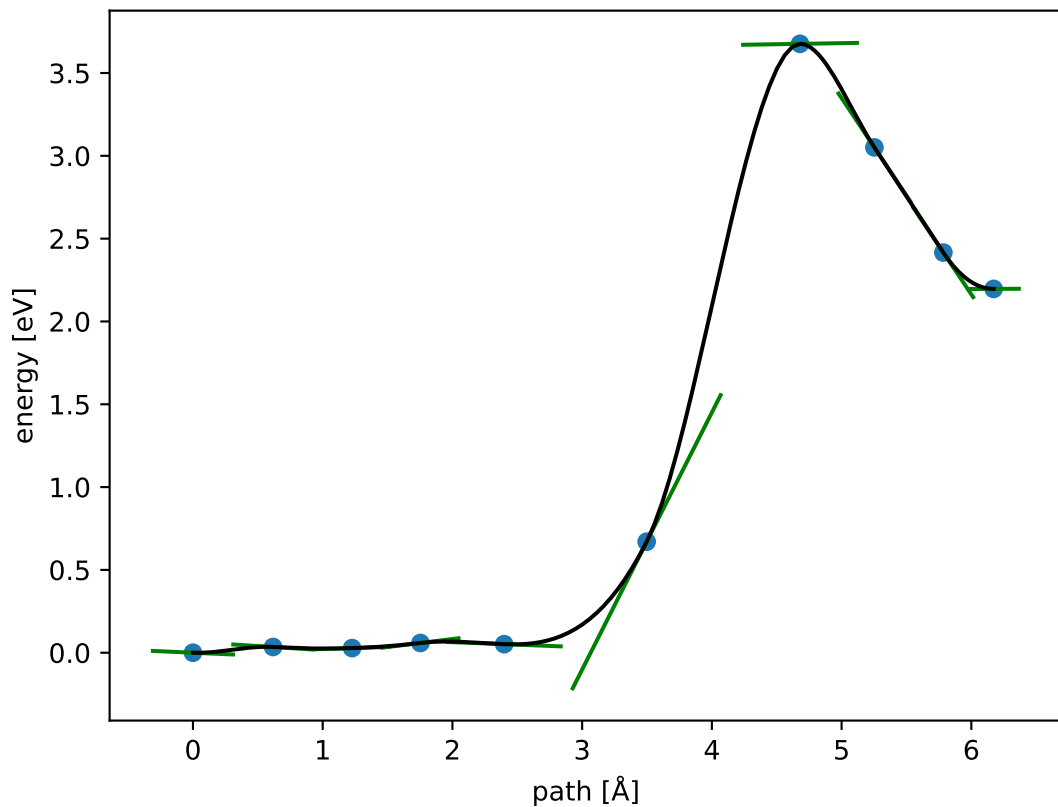
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



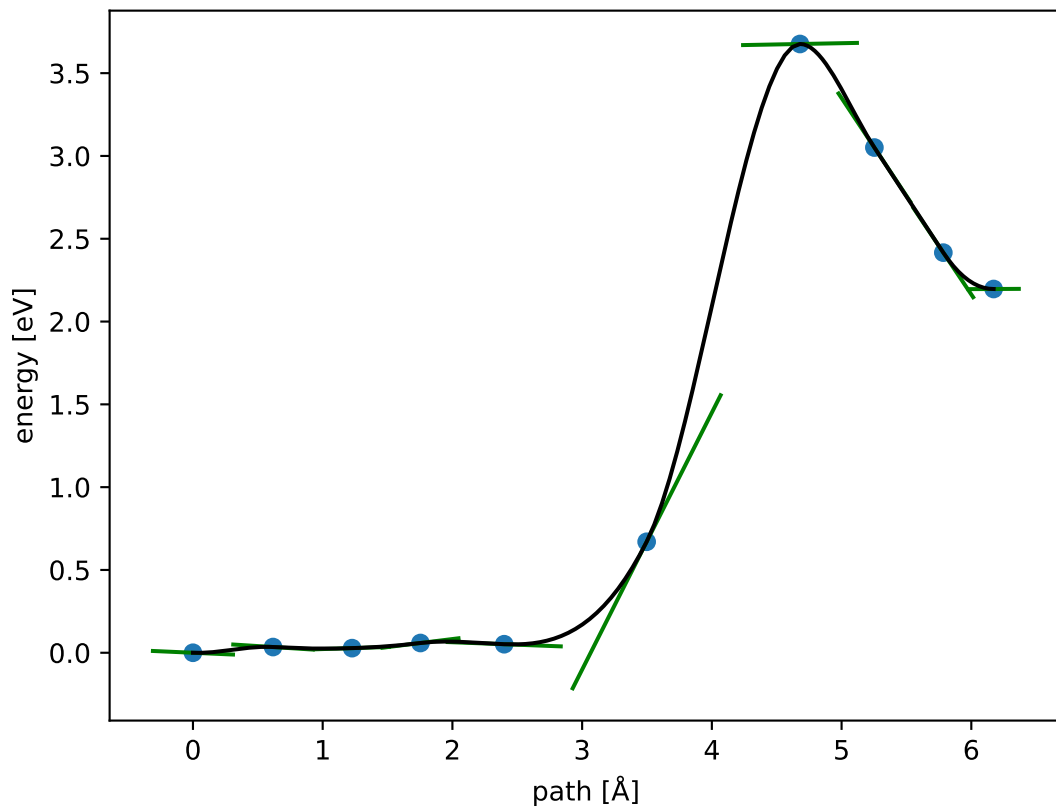
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



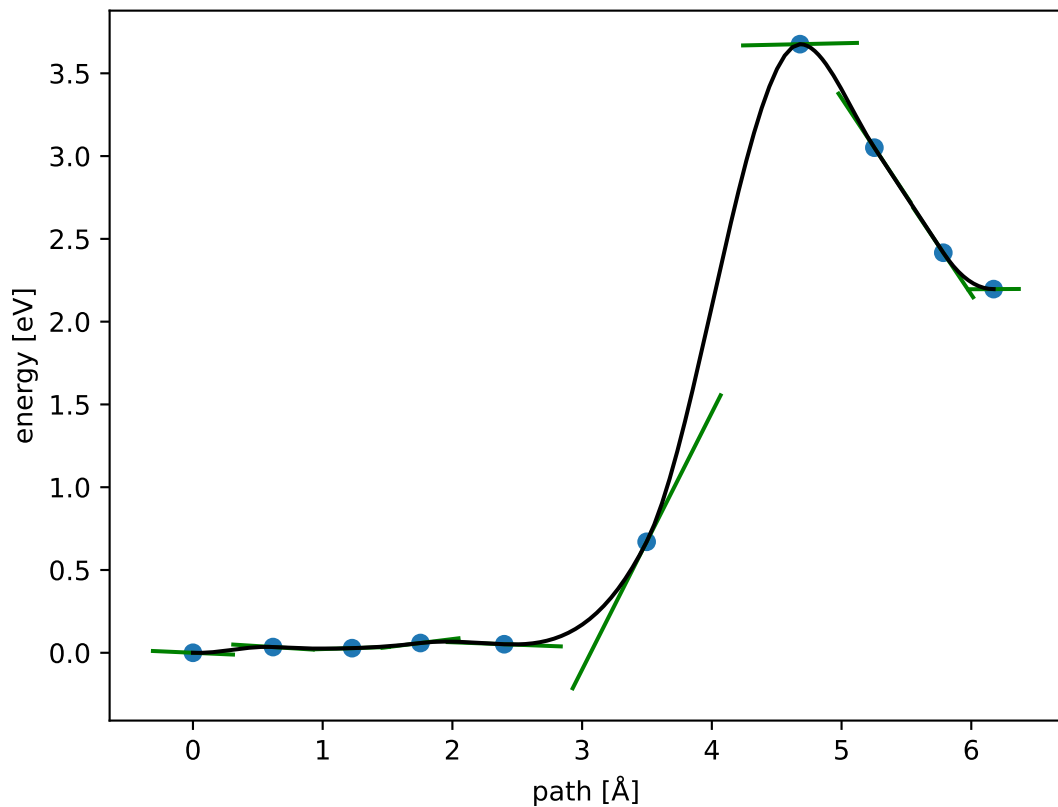
$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.480 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



$$E_f \approx 3.676 \text{ eV}; E_r \approx 1.479 \text{ eV}; \Delta E = 2.197 \text{ eV}$$



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