| Stage | Section | Element | Type | Parameter | Value | Unit | Comment |
|---|---|---|---|---|---|---|---|
| 0 | Facility | Global | Name | Name | PoPLaR | | |
| 0 | Facility | Global | Reference particle | Kinetic energy | 10 | MeV | |
| 0 | Facility | Global | Vacuum chamber | Mother volume radius | 0.5 | m | |
| 1 | Source | Source | Parameterised TNSA | SourceMode | 0 | | Mode |
| 1 | Source | Source | Parameterised TNSA | SigmaX | 0.000004 | m | Gaussian width, x |
| 1 | Source | Source | Parameterised TNSA | SigmaY | 0.000004 | m | Gaussian width, y |
| 1 | Source | Source | Parameterised TNSA | Emin | 1 | MeV | Minimum of energy distribution |
| 1 | Source | Source | Parameterised TNSA | Emax | 25 | MeV | Maximum of energy distribution |
| 1 | Source | Source | Parameterised TNSA | nPnts | 1000 | | Number of points to sample for integration of PDF |
| 1 | Source | Source | Parameterised TNSA | MinCTheta | 0.999691155 | | Maximum theta for flat cos theta |
| 1 | Source | Source | Parameterised TNSA | Power | 2.5E+15 | W | Laser power |
| 1 | Source | Source | Parameterised TNSA | Energy | 70 | J | Laser energy |
| 1 | Source | Source | Parameterised TNSA | Wavelength | 0.8 | um | Laser wavelength |
| 1 | Source | Source | Parameterised TNSA | Duration | 2.80E-14 | s | Laser pulse duration |
| 1 | Source | Source | Parameterised TNSA | Thickness | 0.0000004 | m | Target thickness |
| 1 | Source | Source | Parameterised TNSA | Intensity | 4.00E+20 | W/cm2 | Laser intensity |
| 1 | Source | Source | Parameterised TNSA | DivAngle | 25 | degrees | Electron divergence angle |
| 1 | Nozzle | Drift | | Length | 0.03 | m | |
| 1 | Nozzle | Aperture | Circular | Radius | 0.002 | m | |
| 1 | Nozzle | Drift | | Length | 0.003 | m | |
| 1 | Nozzle | Aperture | Circular | Radius | 0.002 | m | |
| 1 | Capture | Drift | | Length | 0.005 | m | |
| 1 | Capture | Aperture | Circular | Radius | 0.01 | m | |
| 1 | Capture | Fquad | | Length | 0.04 | m | |
| 1 | Capture | Fquad | | Strength | 150 | m | |
| 1 | Capture | Aperture | Circular | Radius | 0.01 | m | |
| 1 | Capture | Drift | | Length | 0.005 | m | |
| 1 | Capture | Aperture | Circular | Radius | 0.01 | m | |
| 1 | Capture | Dquad | | Length | 0.04 | m | |
| 1 | Capture | Dquad | | Strength | 150 | m | |
| 1 | Capture | Aperture | Circular | Radius | 0.01 | m | |
| 1 | Capture | Drift | | Length | 1.7 | m | |