Noble gases at T = 300 K<sup>4</sup>He;  $v_p = 1116.0 \text{ m/s}$ 0.006 <sup>10</sup>Ne;  $v_D = 497.0 \text{ m/s}$ <sup>18</sup>Ar;  $v_p = 353.0 \text{ m/s}$ 0.005  $^{36}$ Kr;  $v_D = 244.0 \text{ m/s}$ 0.004  $^{54}$ Xe;  $v_p = 195.0 \text{ m/s}$ € 0.003 <sup>86</sup>Rd;  $v_D = 150.0 \text{ m/s}$ <sup>118</sup>Og;  $v_p = 130.0 \text{ m/s}$ 0.002 0.001 0.000 200 400 600 800 1000 1200 1400 v/(m/s)