lelium produced at  $P_{tysion} = 3 \text{ GW} \cdot 3 \times 10^9 / ((3.52 + 14.06) \times 10^6 \times 1.6 \times 10^{-19})$ → \_1.07 × 10<sup>21</sup> He/s (-4.4 Pa m<sup>3</sup>/s) (the number of He atoms in 3 Pa m<sup>3</sup> at 25 °C = 2.42

Helium produced at P<sub>fu</sub>



magnetic shield

Plasma irradiation effects (sputtering, dust, retentio Comprehensive demonstration in a reactor-relevant device as the LHD