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Study of fusion evaporation channels in the $^{18}\text{O} + ^{18}\text{O}$ $E_{\text{lab}} = 65$ MeV reaction

The AFRODITE and DIAMANT detectors were used to measure the evaporation channels in the $^{18}\text{O} + ^{18}\text{O}$ reaction. Emission of (p, d, t) and alpha particles were identified with excellent particle identification. The cross sections for evaporation residues production are calculated with the statistical model code CASCADE.

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