

**$6\text{Li}(d,p0)7\text{Li}$, $6\text{Li}(d,p1)7\text{Li}^*(0.478\text{ MeV})$,
 $6\text{Li}(d,p2)7\text{Li}^*(4.63\text{ MeV})$, $6\text{Li}(d,p4)7\text{Li}^*(7.46\text{ MeV})$
reaction cross section**

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Upgraded evaluation of integral cross sections of $6\text{Li}(d,p0)$, $6\text{Li}(d,p1)$, $6\text{Li}(d,p2)$, $6\text{Li}(d,p4)$ reactions was obtained in our SaBa (SarovBase) library due to appearance of new experimental data. Data were derived from the results of our experimental studies of $6\text{Li}+d$ reaction channels at 4 to 10 MeV deuteron energy E_d [2]. The reliability of the obtained data was confirmed by the fact that the sum of the $6\text{Li}(d,p0)$ and $6\text{Li}(d,p1)$ reactions integral cross sections was approximately equal to the sum of the integral cross sections of the $6\text{Li}(d,n0)$ and $6\text{Li}(d,n1)$ corresponding mirror reactions [3] at the energy points within this interval. Cross sections of the other dp -reactions where tritons are produced are shown in fig.1. These cross sections were also taken into account when $6\text{Li}(d,xt)$ reaction cross sections had been obtained. Data were supplemented at 10.7 and 12.1 MeV energy by $6\text{Li}(d,n2)$, $6\text{Li}(d,n4)$ reaction cross sections [10] which are mirror reactions for $6\text{Li}(d,p2)$ and $6\text{Li}(d,p4)$ reactions, respectively.

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