Analysis of the ^{11}Li Breakup on a Proton Target

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The ^{11}Li breakup effect on ^{11}Li+p scattering at energy of 62 MeV/nucleon is analyzed considering a cluster model for the projectile nucleus with fragments ^{9}Li and $2n$. Predictions for the longitudinal momentum distributions of ^{9}Li fragments produced in the breakup of ^{11}Li at 62 MeV/nucleon on a proton target are given. Calculations of the diffractive and stripping breakup processes are performed.