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Simulated Multifragmentation of ^{40}Ca with ^{40}Ca Collisions[1]
BRIGHTON COE, Illinois State University — Nuclear collision simulations are a
valuable tool for studying the distribution of fragmentation products but require
significant processor time to simulate. Using a simple two-body interaction model
that treats each nucleon as a point particle significantly reduces this time while
maintaining a high level of accuracy. With this model, we report on collisions of
^{40}Ca with ^{40}Ca and present their resulting fragmentation distributions.

[1]Illinois State University

Brighton Coe
Illinois State University

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