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 $^{12}\text{C}(^{19}\text{C},\text{X})$  **2012Ko38**

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. H. Kelley, G. C. Sheu		ENSDF	23-March-2017

**2012Ko38:** The cross section for 1-n removal from 243 MeV/nucleon  $^{19}\text{C}$  on a carbon target was measured at the RIKEN/ZDS (zero degree spectrometer), along with the parallel momentum distribution of  $^{18}\text{C}$  fragments. The  $\sigma=163$  mb  $I_2$  is deduced. The discussion analyzes the momentum distribution shape by assuming various  $^{18}\text{C}$  states are populated in the breakup, and is consistent with  $J^\pi=1/2^+$  for the ground state.

 $^{19}\text{C}$  Levels

<u>E(level)</u>	<u><math>J^\pi</math></u>
0	(1/2 <sup>+</sup> )