	<sup>208</sup> <b>Pb</b> ( <sup>20</sup> <b>Ne</b> , <sup>19</sup> <b>N</b>	le) 1990Fo04	
	His	story	
Туре	Author	Citation	Literature Cutoff Date
Full Evaluation	J. Chen <sup>#</sup> and F. G. Kondev	NDS 126, 373 (2015)	30-Sep-2013

E=500, 600 MeV <sup>20</sup>Ne beam was produced from the K500 superconducting cyclotron at Michigan State University. A 99.9% enriched 3.0 µg/cm<sup>2</sup> thick <sup>208</sup>Pb target was used. Reaction products were momentum analyzed with the S320 broad range magnetic spectrograph, FWHM=1-2 MeV. Measured σ(fragment E,θ). Deduced structure characteristics from DWBA analysis. The spectra consist of broad peaks at≈1.5 MeV and≈10 MeV. On the basis of DWBA calculations, the authors suggest that the main components in the peak at 1.5 MeV are the 11/2<sup>+</sup> state at 779, the 15/2<sup>-</sup> state at 1423, and possibly the 9/2<sup>+</sup> ground state. The authors suggest that the peak at 10 MeV is due mainly to neutron transfer to high-spin orbitals such as 1k<sub>17/2</sub>.