

${}^{208}\text{Pb}({}^{22}\text{Ne},\text{X}\gamma)$  2012Bo09,2013Bo07

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	R. B. Firestone	NDS 127, 1 (2015)	15-Jan-2015

${}^{22}\text{Ne}$  beam at  $E=128$  MeV provided by the PIAVEALPI accelerator.

complex. Target= $300 \mu\text{g}/\text{cm}^2$   ${}^{208}\text{Pb}$  sandwiched between two layers of 10 and  $15 \mu\text{g}/\text{cm}^2$   ${}^{12}\text{C}$ . Measured mass spectra, total kinetic energy loss spectra (TKEL), angular distribution,  $E\gamma$ ,  $I\gamma$ , (particle) $\gamma$ -coin, differential cross sections using the PRISMA magnetic spectrometer and the  $\gamma$ -array CLARA consisting of 21 HPGe clover detectors at the Legnaro National Laboratories of INFN.

 ${}^{21}\text{F}$  Levels

E(level)	$J^\pi$ <sup>†</sup>
0	$5/2^+$
280	$1/2^+$

<sup>†</sup> From Adopted Levels of  ${}^{21}\text{F}$  in ENSDF database.

 $\gamma({}^{21}\text{F})$ 

$E_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
280	280	$1/2^+$	0	$5/2^+$

 ${}^{208}\text{Pb}({}^{22}\text{Ne},\text{X}\gamma)$  2012Bo09,2013Bo07Level Scheme