

LIMIT VALUES OF LOG- ft FOR FORBIDDEN
 β -TRANSITIONS AT ^{178}Ta DECAY

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S u m m a r y

The energies and the intensities of weak γ -transitions at 115 and 217 keV in the ^{178}Ta decay have been measured on a γ -spectrometer, with one of them being observed for the first time. The transitions are brought about by a discharge of the 8_2^- level at 1479 keV by means of the interband transition through the level 9_1^- at 1364 keV in ^{178}Hf . Estimations of the log- ft values for twice-forbidden β -transitions to levels 9_1^- at 1364 keV and 9_2^- at 1697 keV in ^{178}Hf have also been carried out for the first time.