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Search for particle-bound ^{26}O and ^{28}F in p-stripping ANDREAS SCHILLER, THOMAS BAUMANN, JANET DIETRICH[1], STEFFEN KAISER[2], WILLIAM PETERS, MICHAEL THOENNESSEN, National Superconducting Cyclotron Laboratory, Michigan State University — We have searched for particle-bound ^{26}O and ^{28}F isotopes in the reaction products of secondary ^{27}F and ^{29}Ne beams, respectively. No events have been observed. Upper limits for the respective production cross sections by one-p-stripping reactions are established under the assumption that ^{26}O and ^{28}F are particle bound. Since the experimental upper limits are much lower than common estimates we conclude that neither ^{26}O nor ^{28}F are likely particle bound.

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