

## <sup>93</sup>Ag

Rykaczewski et al. discovered <sup>93</sup>Ag in their 1995 paper “Identification of new nuclei at and beyond the proton drip line near the doubly magic nucleus <sup>100</sup>Sn” (1995Ry03). A 63 MeV/nucleon <sup>112</sup>Sn beam from the GANIL cyclotron complex bombarded a natural nickel target. <sup>93</sup>Ag was identified with the Alpha and LISE3 spectrometers. “Some events have been observed which may correspond to the even more exotic nuclei like <sup>105</sup>Te, <sup>99</sup>Sn, and <sup>93</sup>Ag.” Rykaczewski et al. observed eight events of <sup>93</sup>Ag and it is not clear why they did not claim discovery as they did for the observation of <sup>103</sup>Sb with nine events (Less than five events were reported for <sup>105</sup>Te and <sup>99</sup>Sn) (1995Ry03). Subsequent publications assumed <sup>93</sup>Ag to be known (2008KrZW, 2011StZV) so credit for its discovery is given to Rykaczewski et al. (2016ThZW). A year earlier Hencheck et al. reported the observation of “a few events corresponding to <sup>77</sup>Y, <sup>79</sup>Zr, <sup>81</sup>Nb, <sup>85</sup>Tc, <sup>87</sup>Ru, <sup>91</sup>Pd, and <sup>93</sup>Ag” (1994He28), however, they did not claim discovery: “Although these events all satisfy the stringent gating requirements mentioned above, we do not wish to state that such few events constitute proof that these nuclei were identified for the first time in this experiment as they could, at that level, be the result of ‘contamination’ from neighboring peaks in the Z and Q spectra.”

This assignment was changed (2016Th03) from the original compilation (2010Sc10) which credited the paper by Hencheck et al. (1994He28) with the discovery of <sup>93</sup>Ag.

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