

## <sup>70</sup>Co

The 1985 paper “Production and Identification of New Neutron-Rich Fragments from 33 MeV/u <sup>86</sup>Kr Beam in the 18 ≤ Z ≤ 27 Region” by Guillemaud-Mueller et al. reported the first observation of <sup>70</sup>Co ([1985Gu14](#)). The 33 MeV/u <sup>86</sup>Kr beam bombarded tantalum targets and the fragments were separated with the GANIL triple-focusing analyser LISE. “Each particle is identified by an event-by-event analysis. The mass A is determined from the total energy and the time of flight, and Z by the ΔE and E measurements... In addition to that are identified the following new isotopes: <sup>47</sup>Ar, <sup>57</sup>Ti, <sup>59,60</sup>V, <sup>61,62</sup>Cr, <sup>64,65</sup>Mn, <sup>66,67,68</sup>Fe, <sup>68,69,70</sup>Co.”

Adapted from reference ([2010Sz02](#))

- [1985Gu14](#) D. Guillemaud-Mueller, A. C. Mueller, D. Guerreau, F. Pougheon *et al.*, Z. Phys. A **322**, 415 (1985).  
[2010Sz02](#) T. Szymanski and M. Thoennessen, At. Data Nucl. Data Tables **96**, 848 (2010).

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