

# Magnesium-enhanced Stars of the Milky Way Galaxy

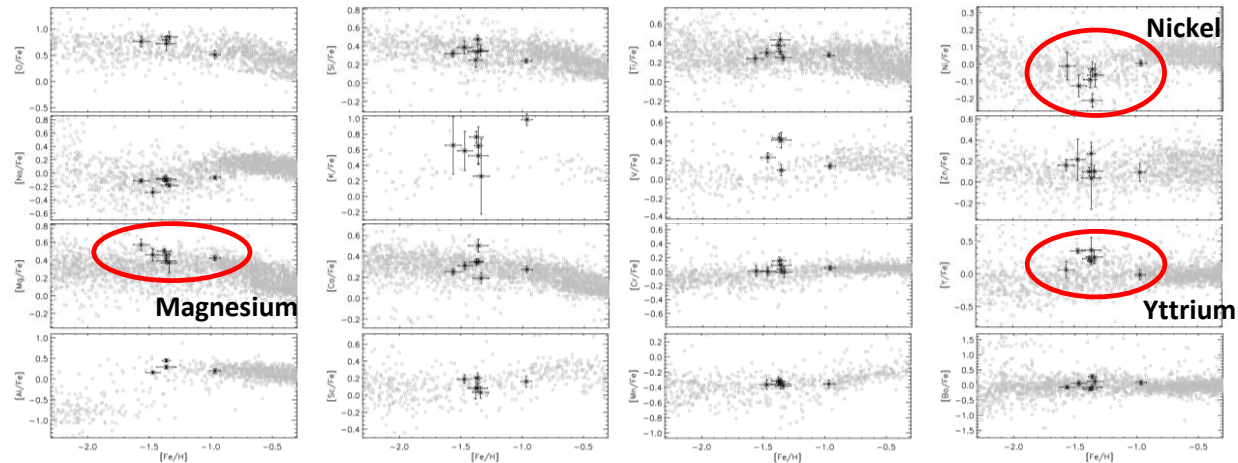
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## Abundance Analysis Results of the 7 Mg-enhanced Stars

Program stars (\*) and Galactic metal-poor stars from SAGA database (o)

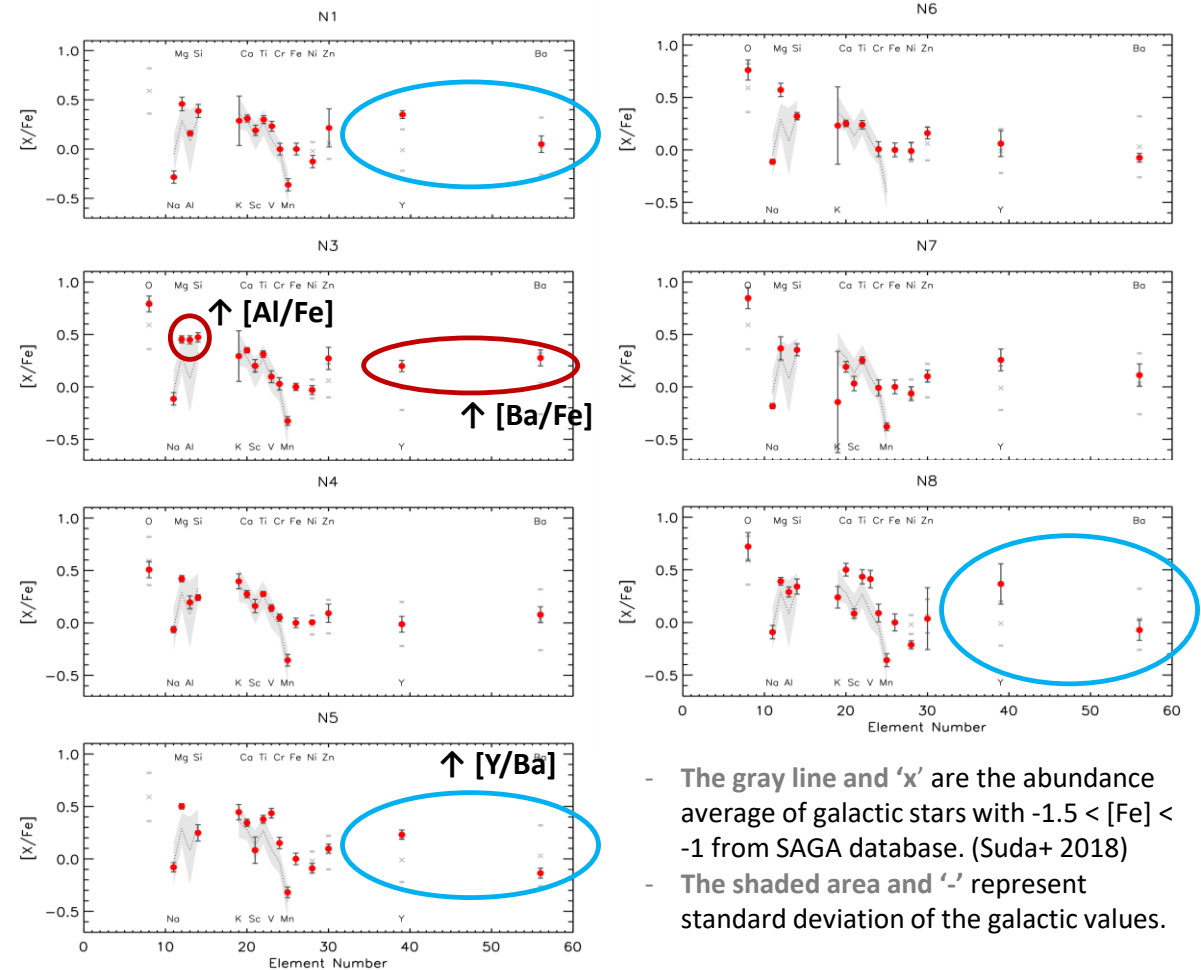


### Stellar parameters of the program stars

Star	Teff (K)	log g (cgs)	ζ (km/s)	[Fe/H]
N1	4810 ± 42	4.78 ± 0.05	0.42 ± 0.22	-1.47 ± 0.09
N3	5245 ± 40	4.62 ± 0.05	0.45 ± 0.15	-1.36 ± 0.10
N4	5127 ± 30	2.95 ± 0.13	1.13 ± 0.04	-0.97 ± 0.01
N5	5080 ± 45	4.72 ± 0.05	1.47 ± 0.20	-1.38 ± 0.11
N6	5710 ± 50	4.47 ± 0.05	1.17 ± 0.15	-1.56 ± 0.08
N7	5458 ± 45	4.60 ± 0.14	0.70 ± 0.15	-1.34 ± 0.11
N8	4710 ± 66	4.79 ± 0.05	0.50 ± 0.15	-1.36 ± 0.11

Relatively high  
[Mg] & [Y]  
and low [Ni]

### Abundance patterns of individual stars (red dots)



- The gray line and 'x' are the abundance average of galactic stars with  $-1.5 < [Fe] < -1$  from SAGA database. (Suda+ 2018)
- The shaded area and '-' represent standard deviation of the galactic values.