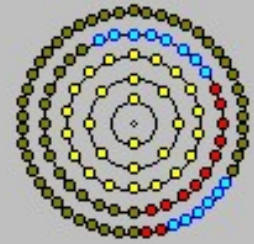


Ground State Electron Configuration with compressed Orbitals (n=56)

0, 0, 0, 14, 42



Singularity

110 = 28 + 12 + 14 + 56

	s	p	d	f	g	h	i	j
1	2							
2	2	6						
3	2	6	10					
4	2	6	2	8	14			
5	2	6	10	14	18			
6								
7								
8								

Term Symbol

3F_2

Discovery

It was discovered in zirconia by the German chemist [Martin-Heinrich Klaproth](#) (University of Berlin, Germany) in 1789. Zirconium was first isolated by Swedish chemist [Jöns Jacob Berzelius](#) in 1824 (Stockholm, Sweden) in an impure state, and finally by the chemists [D. Lely, Jr.](#) and [L. Hamburger](#) in a pure state in 1914.

Name Derived From

The name derives from the Arabic zargun for "gold-like".