

		/	
		/	
	320kV	/	
		/	
		/	
		/	
		/	
		/	
	-	/	
	CiADS — 320KV	/	
		/	
		/	

		320kV		
	Perturbation on atomic alignment of Ag L3-subshell by multiple ionization for heavy ions impact			
	GEO			
	X			
	Fe Ruddlesden Popper Sr _{n+1} Ti _n O _{3n+1} n=1 2 3			

		—		
		Au		
		SIMP		
		FeCrAl ODS		
		320kV		

		He		
		SiC		
		RPV		
		MgO-Nd ₂ Zr ₂₀ 7		
		He		
		HIAF Chopper		
		Fe9Cr F/M		

Material Properties and Processing Parameters				
Layer	Material	Thickness (μm)	Processing Temp (°C)	Properties
Base Layer	FeCrAl	~100	800	High melting point (~1500°C), good adhesion.
	In $In_xGa_{1-x}N$	~10	~200	Low melting point (~1000°C), good thermal conductivity.
Top Layer	3D 304L	~5	~300	Stainless steel, provides mechanical strength.
	4H-SiC	~2	~400	Very high melting point (~2800°C), high hardness.