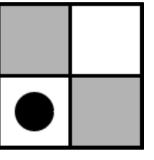
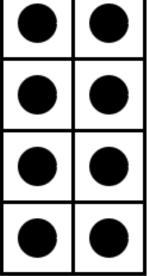
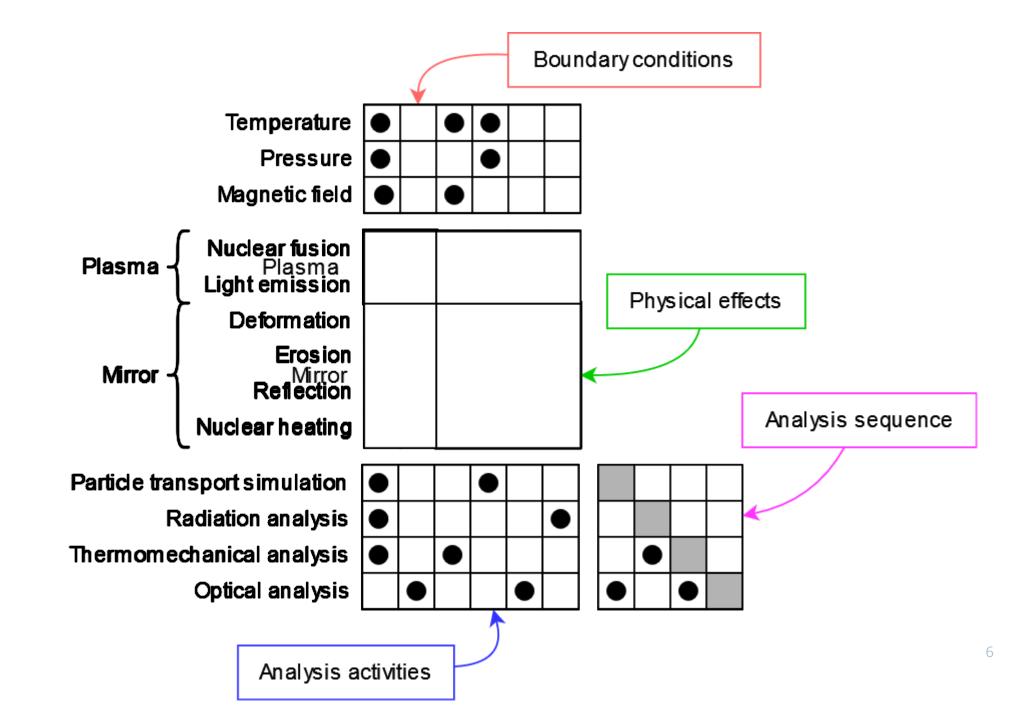


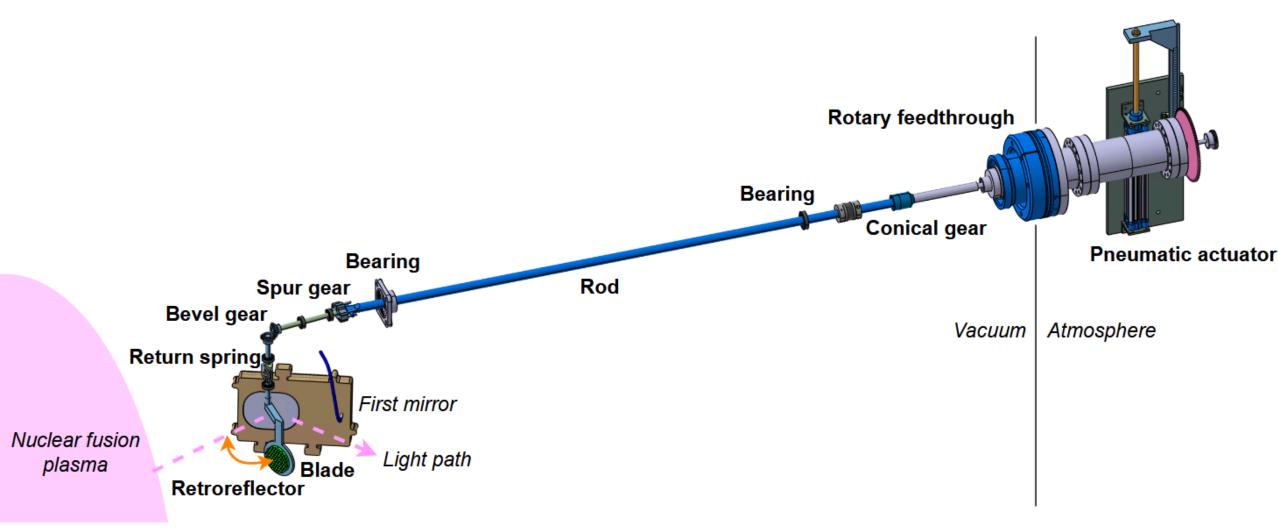
Plasma Mirror



Particle transport simulation
Radiation analysis
Thermomechanical analysis
Optical analysis



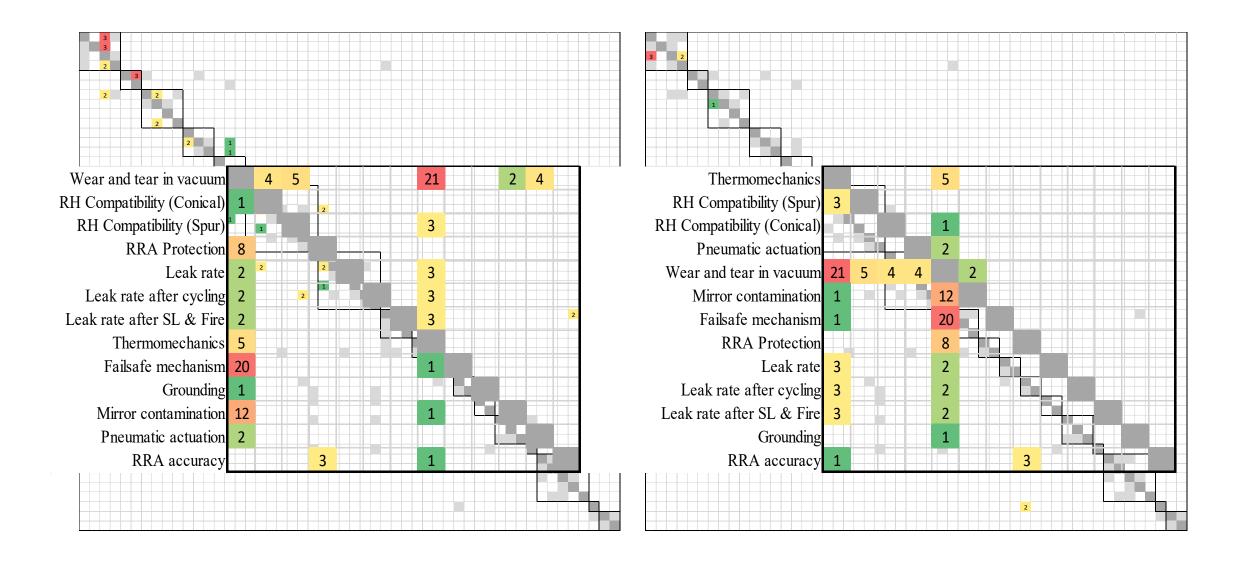




Vacuum Cleaning plasma Temperature Mechanical loads Radiation Magnetic field FUNCTION COMPONENT PHYSICAL EFFECT ealing Rotary feedthrough lignment vacuum Forque transfer Transport motion to Rod Forque transfer FMU Torque transfer Connect rod to lignment Conical gear feedthrough ngagement Cold welding Stiffness Support rod Bearings riction Wear and tear Thermal expansion Fix component Alignment position Engagement dignment Wear and tear Connect rod to riction mirror box Cold welding Torque transfer Particle generation Alignment Wear and tear Friction Turn rotation axis Bevel gear Cold welding Forque transfer Particle generation Motion Pneumatic actuator Generate rotation riction Leakage Return shutter to tiffness open state Motion Cold welding Limit motion End stops Grounding Motion Block particles Blade Particle blocking Deposition Reflect light Degradation Return calibration Retroreflector Mignment Reflection Particle blocking Protect reflector Garage Mechanics Actuation Control pneumatic Piezo valve Pneumatics actuator ressure loss Detect state Electrical contact Limit switch Pass electrical Conduction Signal feedthrough signals to vacuum ACTIVITIES Wear and tear in vacuum RH Compatibility (Conical) RH Compatibility (Spur) RRA Protection Leak rate Leak rate after cycling Leak rate after SL & Fire Thermomechanics Failsafe mechanism Grounding Mirror contamination Pneumatic actuation

ENVIRONMENT Dust

RRA accuracy





From Physics to Project Management

A Multi-Domain Matrix Model for the Distributed **Analysis of Nuclear Fusion Systems**

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