

Materials List for:

# Measurement of Quantum Interference in a Silicon Ring Resonator Photon Source

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## Materials

Name	Company	Catalog Number	Comments
3-Axis NanoMax Flexure Stage	Thorlabs	MAX312D	Precision 3-axis stages
Three-Hole Fiber Stripping Tool	Thorlabs	FTS4	buffer stripping tool
Three Channel Piezo Controller	Thorlabs	MDT693B	Piezo controllers for NanoMax stages
Fiber Polarization Controller	Thorlabs	FPC562	3-Paddle fiber-based polarization controller
Fiber Cleaver	Thorlabs	XL411	Fiber cleaver
Standard V-Groove Fiber Holder	Thorlabs	HFV001	standard v-groove mount
Tapered V-Groove Fiber Holder	Thorlabs	HFV002	tapered v-groove mount
Right-Angle Top Plate for NanoMax Stage	Thorlabs	AMA011	right-angle bracket
50:50 Fiber Optic Coupler	Thorlabs	TW1550R5F1	50/50 combiner
Optical Fiber Fusion Splicer	Fujikura	FSM-40S	Fusion splicer
MultiPrep Polishing System - 8"	Allied High Tech	15-2100	Chip polisher
GreenLube	Allied High Tech	90-209010	Polishing Lubricant
Cross-Sectioning Paddle with Reference Edge	Allied High Tech	15-1010-RE	Polishing mount
Lightwave Measurement System	Keysight	8164B	Mainframe for tunable laser
Tunable Laser Source	Keysight	81606A	Tunable laser
Optical Power Sensor	Keysight	81634B	Power meter
NIR Single Photon Detector	ID Quantique	ID210	Single photon detectors
NIR Single Photon Detector	ID Quantique	ID230	Low noise, free-running single photon detectors
PicoHarp	PicoQuant	PicoHarp 300	Time-correlated single photon counting
WiDy SWIR InGaAs Camera	NIT	640U-S	IR Camera
WDM Bandpass Filter	JDS Uniphase	30055053-368-2.2	pump cleanup filters
WDM Bandpass Filter	JDS Uniphase	1011787-012	pump rejection filters
Ultra-High Numerical Aperture Fiber	Nufern	UHNA-7	high index fiber
Ultra Optical Single Mode Fiber	Corning	SMF-28	standard single mode fiber