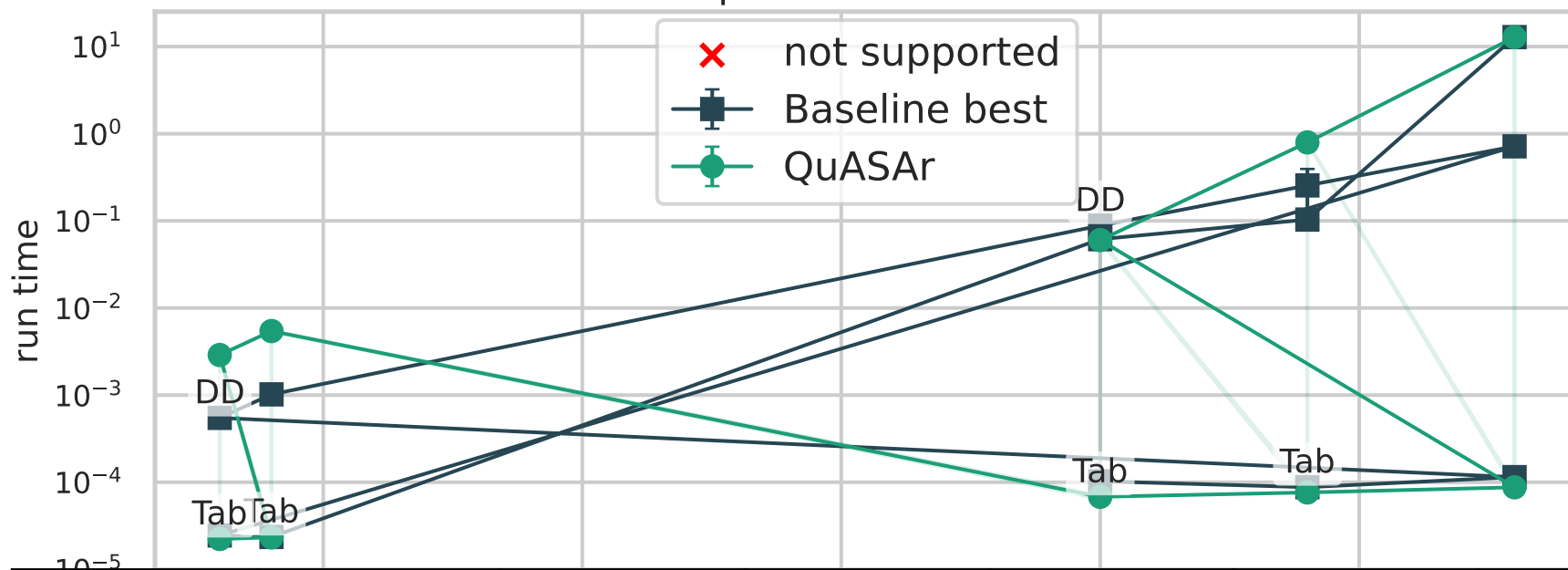


Runtime comparison versus baseline best



Circuit	Qubits	Baseline	QuASAr	Baseline run time	QuASAr run time	Speedup
ghz_ladder	20	Tableau	Tableau	0.000103	6.81e-05	1.51×
ghz_ladder	24	Tableau	Tableau	8.78e-05	7.64e-05	1.15×
ghz_ladder	28	Tableau	Tableau	0.000114	8.75e-05	1.31×
grover	3	DD	MPS	0.000548	0.00289	0.19×
grover	4	DD	MPS	0.00102	0.00543	0.19×
qft	3	Tableau	Tableau	2.45e-05	2.23e-05	1.10×
qft	4	Tableau	Tableau	2.36e-05	2.33e-05	1.01×
random_clifford_t	20	Statevector	Statevector	0.0616	0.0601	1.02×
random_clifford_t	24	MPS	Statevector	0.103	0.795	0.13×
random_clifford_t	28	Statevector	Statevector	12.8	12.8	1.00×