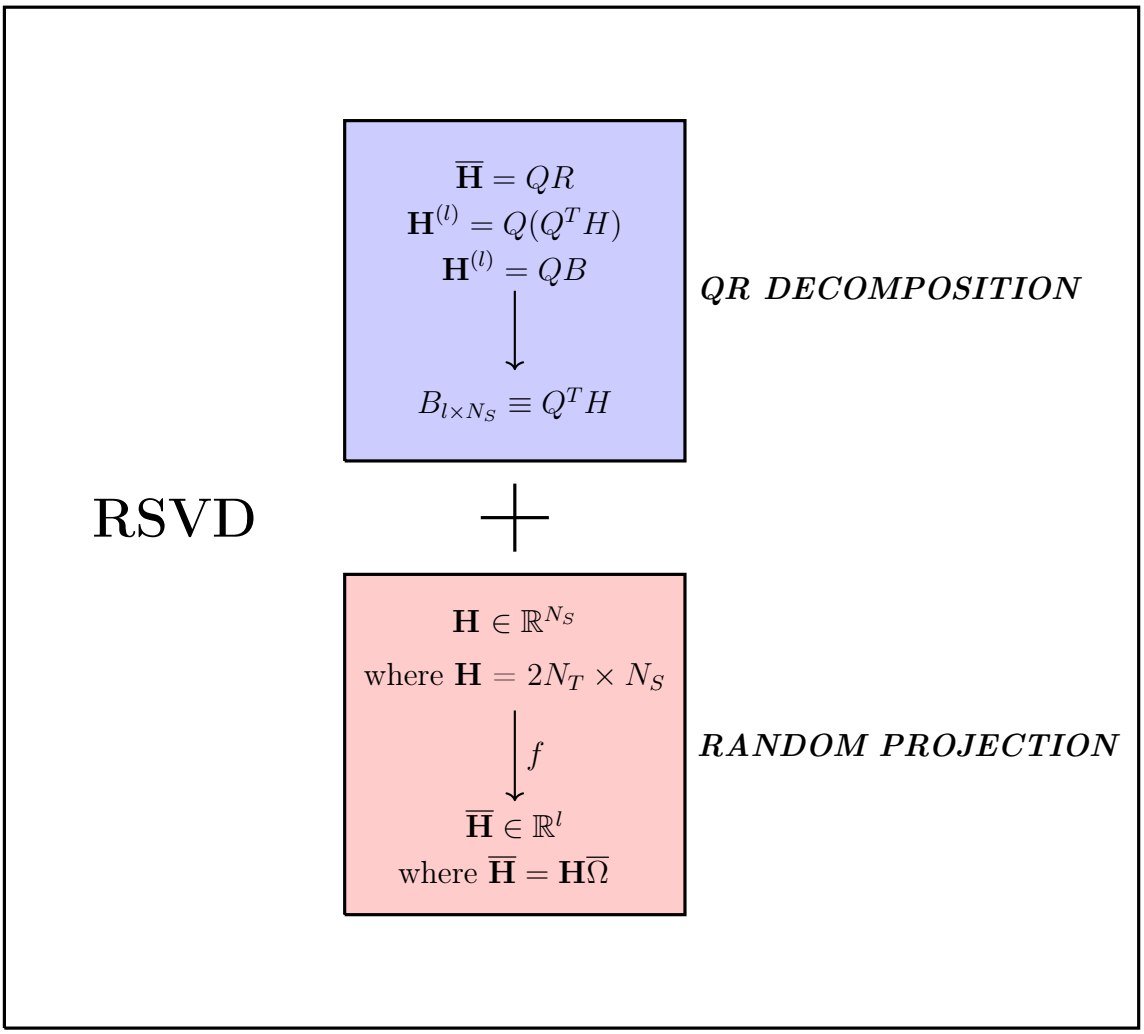
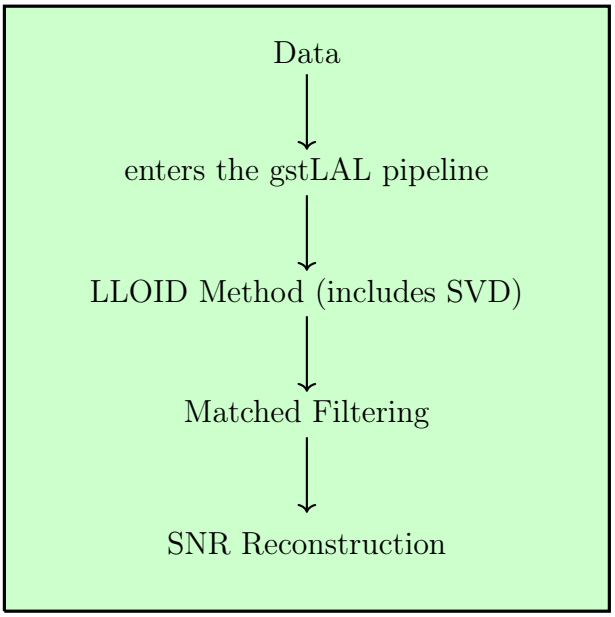
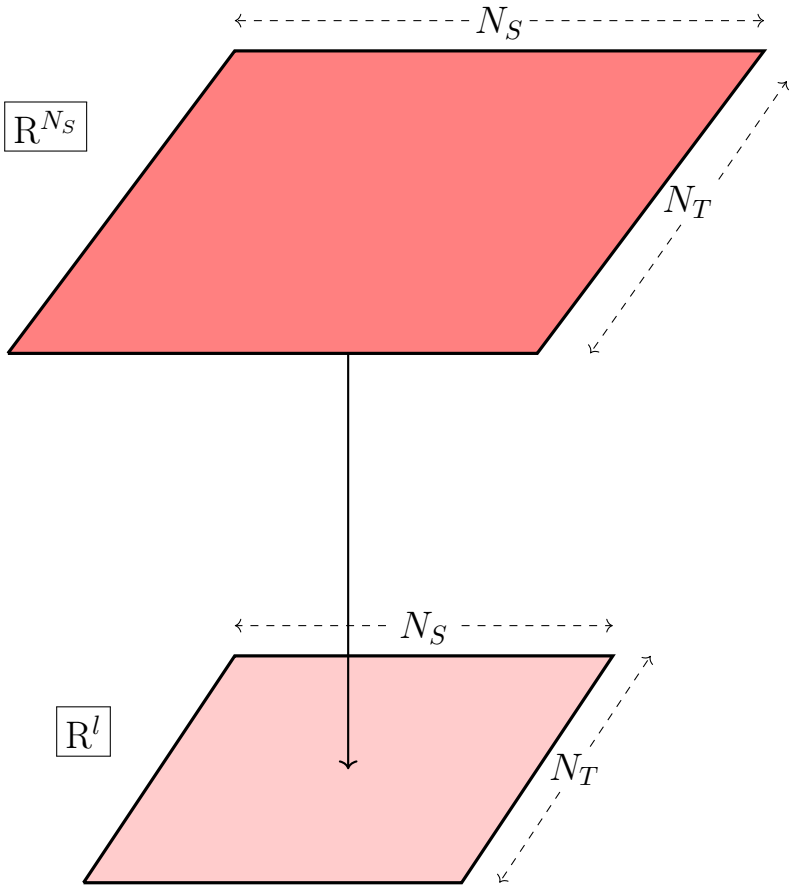

$\overline{\mathbf{H}} = QR$
$\mathbf{H}^{(l)} = Q(Q^T H)$
$\mathbf{H}^{(l)} = QB$
$B_{l \times N_S} \equiv Q^T H$
QR DECOMPOSITION
RSVD
$\mathbf{H} \in \mathbb{R}^{N_S}$
where $\mathbf{H} = 2N_T \times N_S$
f
$\overline{\mathbf{H}} \in \mathbb{R}^{l}$
where $\overline{\mathbf{H}} = \mathbf{H}\overline{\Omega}$
RANDOM PROJECTION


Data
enters the gstLAL pipeline
LLOID Method (includes SVD)
Matched Filtering
SNR Reconstruction


N_S
R^{N_S}
N_T
N_S
R^{l}
N_T