

cases	doc_1		doc_2		decision	id
					DUPLICATES	1533
	authors	<ul style="list-style-type: none">Richard B. MelroseGunther Uhlmann	authors	<ul style="list-style-type: none">Richard MelroseGunther Uhlmann		
	title	Generalized backscattering and the Lax-Phillips transform	title	Generalized backscattering and the Lax-Phillips transform		
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	id	id-1813670102075724322	id	id5138008585371623424		
	abstract		abstract	Using the free-space translation representation (modified Radon transform) of Lax and Phillips in odd dimensions, it is shown that the generalized backscattering transform (so outgoing angle $\omega = S\theta$ in terms of the incoming angle with S orthogonal and $I - S$ invertible) may be further restricted to give an entire, globally Fredholm, operator on appropriate Sobolev spaces of potentials with compact support. As a corollary we show that the modified backscattering map is a local isomorphism near elements of a generic set of potentials.		
	versions		versions			